

# THE NATIONAL PROVISIONER

The Organ of the Provision and Meat Industries of the United States.

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# THE NATIONAL PROVISIONER,

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## SOAP MAKERS

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## DEPARTMENT STORES.

The opening recently in the city of New York of a department store on a larger scale than any had been before, and the fact that this department store is the first one in that city which has connected with it a fresh meat department, has given food for considerable thought and apprehension to the members of the meat and provision trades of New York and vicinity. While we all take a passing interest in the affairs of others, we do not mind any mishap so much when it befalls some one else, as we do when the wolf is as our own door. The butchers were unconcerned about the growth of the department stores as long as they did not interfere with their own business. The addition of grocery departments, druggist's specialties and many others to large dry goods stores had no terror for them, until they saw the ghost right in their middle and it is here now, and the question is how to fight it and how to drive it out successfully. We know that this question has been argued at the meetings of the Retail Butchers' Protective Association, and it has been the subject of much consideration among the leading wholesalers and retailers. We do not believe that the butchers will succeed in driving the fresh meat departments out of the dry goods stores by subjecting them to petty annoyances, or by temporarily shutting off the source of their supplies. We do not believe in this method, for the sole reason that the proprietors of the dry goods stores will, if they go into the butcher business at all, be just as able to comply with the rules and regulations of the Board of Health, as the butchers are, and as far as supplies go, the United States is a very large country, with a great many wholesale butchers who will be anxious to supply anybody with meat of all kinds, who is able to pay for it. If supplies cannot be had in New York and Brooklyn, then they will be gotten from Philadelphia or Pittsburg, and from the West, and the result will be that the dry goods stores will have beef and meats in general for sale at lower prices than the New York and local butchers have to pay. If restriction is not practicable, what can be done? Various remedies have been suggested, all of which are of a doubtful or at best of an experimental nature. Some people have said that butchers, grocers, and retail merchants generally, that find themselves hurt by department stores should refrain from buying there and should see that their wives and families make no purchases there either. If a uniform action of this kind could be taken, that, of course, would in time stop the evil, because there is no merchant, no matter how large or small, who in the end does not find his business damaged and curtailed by the growth of the department stores. We doubt, however, whether the ladies could be induced to sacrifice their money for their principles and the sales at department stores appeal to their pocketbooks by a far larger degree than the pleadings of husbands and brothers appeal to their reason. Besides this, it is not likely that all of the retail merchants or a majority of them could be gotten together to act in unison. This seems to dispose of the second remedy which has been suggested. The third suggestion is, that the retail merchants should go about their business and ignore the dry goods stores entirely. This they cannot do in view of the decrease in their own business and the threatening prospect of failure which stares them in the face. Failure in their case means the loss of an independent business, no matter how small, and the seeking of employment. Employment possibly as foreman or floor-walker in the very department store which has ruined them, the department store which has driven them into bankruptcy by selling the goods of another bankrupt con-

cern at figures which the retail merchant cannot even buy at, much less sell. What is to be done, is again the question. There seems to us only one remedy, and that is, fight the department stores in a business-like manner. Fight them as business men would. The butchers have a great advantage over all other lines, as the department stores cannot buy the "old and soiled stock" of a bankrupt butcher and sell it at figures below those of the other butchers! They have to buy fresh meat and good meat, in fact, they must in New York buy the best meat which the country produces and must sell it at fair prices in order to attract trade. Keep your stores as nice and clean and attractive as you would keep your parlor. Make a visit to your shop a pleasure, so that the housewife does not need to put on her poorest dress when she goes marketing, while she puts on her best when she goes shopping. Keep your stores, even if they are not as large, as neat as that of Richard Webber, and those of Mauss Bros. & Co., New York City. Keep the best of everything, have your shop well ventilated and well lighted and you will soon find that any trade which you might have lost by virtue of the business in the dry goods stores, will return to you, and will stay with you. The New York ladies will not buy meat as readily in a dry goods store as they would in a market or a butcher shop and they would much rather walk in upon the ground floor than rush up to the sixth story, even in a palace. Like all others, the ladies want to get in on the ground floor everywhere, and they will if you make it worth their while to do so, and if you will make a special effort to retain their trade. The fact that butchers give a little credit, while department stores do not do so at their meat counters, is also a point in favor of the butchers and should be used to advantage, but with discretion, nevertheless.

## ITINERANT "EXPERTS."

We are constantly in receipt of letters from subscribers, asking if we know so and so "who is an expert in lard," or glue, or soap, and, in fact, in almost every line allied with the trades which "The National Provisioner" represents. We desire to answer all such inquiries now and once for all by informing our friends that while there are to our knowledge a few men competent to treat thoroughly and well in an expert capacity, any and all of the products referred to, there are dozens of others of the perambulative or itinerant order who have absolutely no title or claim to be seriously dealt with by any person desiring expert data or authoritative information, and we warn our readers to lose no time with such humbugs. They are glib of tongue, have had "lots of experience," carry samples as testimonials and rather convey the impression that if they "only got a chance" they would, by a mere "curl of the wrist" convert the moon into green cheese, or, the blackest and dirtiest animal fat into snow-white lard, and "all for the ridiculous sum of one hundred dollars," or for half that money, "just to encourage you for future business."

The above is merely a warning and is called for by the numerous letters we have received on this subject, and as a more extended answer to those who have written us, or who may contemplate doing so in the future. Of course, we are at all times glad to hear from our friends, and to place them on the right track as to the economic and scientific treatment of their products.

ARE YOU THOROUGHLY INFORMED AS TO THE USES OF THE FILTER PRESS? THE NEW BOOK EXPLAINS THE WHOLE SYSTEM. SIGN ORDER BLANK, PAGE 19.

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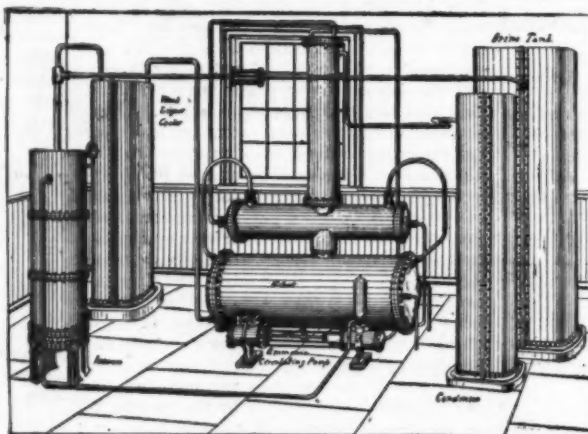
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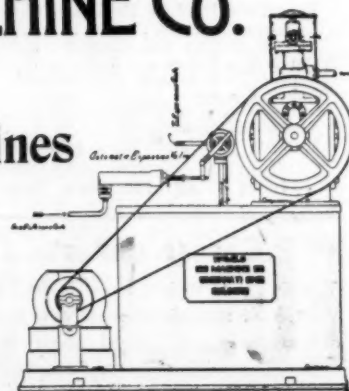
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## PROVISIONS AND LARD. WEEKLY REVIEW.

**A BULL MARKET IN SPITE OF THE PACKERS.**—We have seen a repetition this week of last, and of a slowly but steadily hardening market, without any special influence or demand to put it up, except what has been noted for some time past, namely, a big home and export consumption of all hog products, at these still remarkably low prices. This has happened in spite of the combined, or nearly combined, influence of the packers, who were nearly all short of January stuff and wanted to keep prices down till they covered, also to keep the prices of hogs from advancing in the face of the coming packing season. But they have been unable to prevent an advance by the very fact that they have been the chief buyers, to cover their January shorts, whenever the market has weakened, and have only sold on the strong spots, to prevent a further advance. They have had the liquidation of October longs to help them depress the market, of which they have made the most, by widening the carrying charges, and yet prices have gradually crept up almost daily, both on products and hogs, with a lighter run of the latter than expected, an active demand for the same, with cooler weather, to supply local demand and fill old contracts made for forward shipment. Lard has especially been strong and more active, as the stock in Chicago was reduced last week about 8,000 tcs., 33,000 tcs. being shipped out during last week and the enormous sum of 181,000 tcs. in the last six weeks, a volume of shipments unprecedented in the history of the trade, and largely for export. Of course, this means another sharp reduction in stocks on the first of October, and hence, the especial strength in this product, which was but lately kicked around at near 3c. a lb, without a friend, while now it has touched 4c. again in Chicago. Stocks of this product alone have hitherto been excessive and a great bugaboo has been made about them, but with such a reduction as above shown, this scarecrow is out of the way. It is true, as the bears claim, that these shipments have been largely because they could be carried cheaper, on lower rates for money in Europe than here, but all the same, it is going out of the country and will be consumed abroad, and somebody there had confidence enough in it to anticipate future wants, at late low prices, at which the bulk of present shipments are going forward. Our markets are thus being rapidly relieved of the burden of the old crop and will be in good shape a month hence when the new packing season opens, and, as noted in our last, there need be little fear of any further effect on these markets of the enormous corn crop, as it has already been discounted. Not only this, but corn itself has begun to advance, with all other grains, on an apparently unlimited export demand, which has already absorbed all the ocean freight room to the

latter part of October and largely into November, with prospective continuance of the same, to supply the deficit in Europe's feed crops. This advance in corn, like that in other grains, has been in face of 100 per cent. advance in ocean freight rates, or more, and still, foreigners are buying them for January and March shipments from all the ports. The prospects are, therefore, that hogs and corn have both seen near, or bottom prices, and that the packers will be unable to depress either the prices of hogs or products much, if any, further. They may scare outside holders out of the market by the remaining bugaboo of tight money, although at the present rate of gold imports it cannot be long kept as close as for the past month, and the tendency already is to less stringency, lower rates, and more accommodation from the banks. The worst of this scare is, therefore, over, no matter what the result of the elections may be, as the worst has already been discounted. The remarks of a well posted man in the trade, therefore, are very pertinent to the situation, when he said, "The man who scalps these, as well as the grain markets, on the bull side, this crop year, buying on the breaks and selling on the bulges, will make money." We noted in our last that the packers seemed divided, some on the bull and some on the bear side, but they have appeared to be all bears the past week, although buying more than they sold to cover the short contracts for January stuff, some of which were put out when prices were at, or near, the bottom, since when they have been steadily selling as the market advanced until the short interest in that month must be enormous. Hence, their anxiety to cover, and the fact that they are doing so is the best of evidence that they would be bulls if they had not been such bears at such low and ridiculous prices. Of course they will fight any advance so long as they are short, but when the market steadily strengthens in spite of the combined influence of the packers, it may be pretty safe to bet on their being bulls also when fixed that way. Beside, the grain markets, as noted above, are already exercising an influence on provisions, and the same is true of their position throughout the list of food and feed cereals, and what was said above, of scalping the provisions markets on the bull side the balance of this crop year, is equally true of all the grain markets, for each will sympathize with the other, grain leading, and helping provisions. As to spot business, there is not much to say, as there can be no new export demand at the advanced rates of freights and provisions, with the present enormous exports going to Europe at lower prices for both, and, of course, it is likely to be some time before any new business of importance will be done at these advanced prices. But that matters little so long as the stuff keeps going out of the country and into consumption. As to home consumption, that is gradually increasing, notwithstanding the moderate advance already secured, for retail

prices have been gradually coming down, stimulating consumption thereby, as the hard times increase competition among retailers and compel them to give consumers a part of the benefit of the late low prices. Besides the supplies lately purchased at lower prices are being used up before buying new and this makes things, for the moment, quiet, while everybody is keeping close to shore in case of any more financial squalls, blown up in Wall street, over political issues and the result of the elections, as merchants generally are deferring operations, beyond immediate wants, until the election is over. This, no doubt, accounts for a great deal that would otherwise seem bearish in domestic trade for the last two weeks, during which the cash demand has fallen off, both East and West, yet prices have not receded in the speculative articles notwithstanding this dullness as the price of hogs has maintained that of product.

Monday's sales in New York were 1,000 tcs. of Western lard to arrive for refining on private terms quoted \$3.85@90 to cover 1,000 tcs. of refined lard sold for the Continent on Saturday for forward shipment. No tank lard was ordered or has been during the week at New York, and it has not been quotable. Two hundred pork sold on that day at unchanged prices: 100 city lard at  $3\frac{1}{2}$ c.; 3,000 city fancy pickled shoulders, 4c.; 30,000 lb 15-lb clear bellies on private terms; 1,500 city pickled hams, 12-lb,  $9\frac{1}{2}$ c. Chicago was active and  $7\frac{1}{2}$ c. up on pork;  $2\frac{1}{2}$ @5c. on lard;  $2\frac{1}{2}$ c. on ribs with packers covering and receipts of hogs 7,000 under estimate and  $5\frac{1}{2}$ @10c. higher, with New York  $\frac{1}{4}$ c. up. Fifty boxes of bacon were also sold for Baltic ports and 1,000 tcs. refined lard for the Continent for forward shipment.

On Tuesday, Chicago was unchanged on pork,  $2\frac{1}{2}$ c. up on ribs,  $2\frac{1}{2}$ @5c. up on lard. 250 tcs. selling at New York cost and freight the night before at \$3.85 for refining and held at \$3.92 $\frac{1}{2}$ ; 150 tcs. city sold \$3.55 for refining; 400 pork \$7.75@ \$8.25 for mess and \$10.50@\$11.25 for family. 150 boxes clear bellies,  $5\frac{1}{2}$ c. Iron bound city lard held at \$4.10, but the Cuban markets taking very little, though more clear bellies than last week. Hogs were up  $\frac{1}{4}$ c. again in New York and  $5\frac{1}{2}$ @10c. higher in Chicago, on smaller receipts again than expected. Refined lard advanced to \$4.30 for the Continent, \$4.60 for South America and \$5.75 for Brazil.

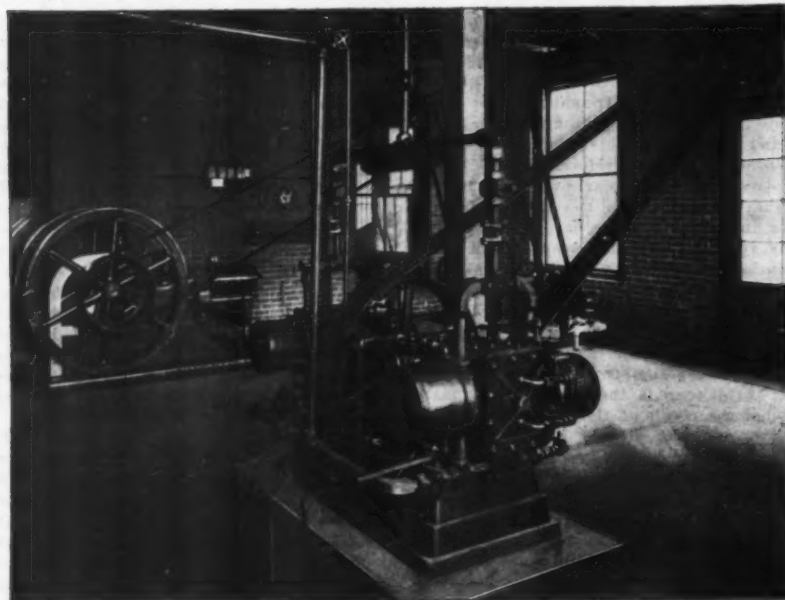
Wednesday's market opened a shade easier West, advanced soon after on light offerings and better buying than selling, was sold off at noon by the packers, but recovered with wheat, closing generally unchanged on pork and ribs, but  $5\frac{1}{2}$ @7 $\frac{1}{2}$ c. up on lard. Hogs in New York were  $\frac{1}{4}$ c. up again, the third day in succession. Refined lard was again advanced to \$4.35 for the Continent, \$4.75 for South America, \$5.90 for Brazil. Western lard in tierces was held in New York at 4c. without demand, while 150 tcs. city sold at \$3.55 early, chiefly \$3.60. 15,000 lb 14-lb ribbed bellies loose,  $14\frac{1}{2}$ c.; 400 pork mostly \$8.

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Beef Products have been a little more active on extra India mess for export, notwithstanding higher freights, 800 tes. selling at \$10@12, with a better feeling in the market, more inquiry and firmer holders. But barrel beef has been less active, only about 800 bbls. being taken at old prices \$7@8 for packet, \$8@9 for family in barrels. In beef hams no change, and no business has been reported, except of the smallest jobbing character. Canned beef neglected and unchanged with other meats so cheap.

Friday's markets broke early on realizing and with market to rally, but closed unchanged to 10 off in Chicago for the day on pork, 5@7½c. on lard unchanged on ribs. Packers selling January and buying October. Spot trade, New York, at 300; pork unchanged, prices, 4.00; city lard, 3.75 for refining and 4.20 per barrel for Cuba; refined unchanged; meats unchanged, and dull, except for local trade, which is absorbing more of city production. Hogs, N. Y. off ½c. with 5 up, all over on fair receipts and good demand.

Thursday's markets met with the most active, excited and stormy yet seen on the late advance, covered by wheat and renewed export activity on old prices, and the stampeding of the shorts along the whole line of produce markets. Some heavy lines of January shorts were covered and outsiders bought a good deal of January provisions as well as grain, and products would have gone still higher had not the packers checked it by supplying this demand. Pork closed 10@15c. higher, lard 15c. higher, and the most active article on the bill, as good buying was reported for the last week or ten days and outsiders also buying. Ribs closed 5@10c. up, but short trade was slow; low Western, N. Y. 4.20 asked; 100 city sold 3.70@3.75; 500 pork at 7.75@8.25; still 500 holders pickled city 4c.; 8,000 barrels 12 lb. rib bellies, 5½c. lower. Hogs ¼c. up, N. Y. and steady market.

Late Wednesday and not reported until Thursday, 500 hhd. city tallow were taken in New York, said to be fore Western soap makers, at 3¼c., but believed to be for Liverpool, and 300 more at same price for Marseilles, for which freight soon was provided by a vessel put on the berth, while another was "laid on" for Hamburg on Thursday, taking oil largely, at 1.15 per bbl. On Thursday also 175 men city, at 3¼c., 2,000 lbs. choice packers in Chicago at 3¼c.; also ten cars grease in Chicago, part home, part export trade, the markets were all hard, being excited at the advance.

London weekly sales were 6d. higher and all offerings sold. Friday city was bid 3¼@3 3-16 and 3½c. asked, but refused at that the night before were not taken. Sales of country at New York: 200,000 lbs. at 3¼@3½c., and 400 lbs. high text country for export, at 3½@3¾c.; 3¾c. still bid for choice in Chicago for local trade and market excited.

### LARD AND GREASES.

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## TALLOW AND STEARINE. WEEKLY REVIEW.

TALLOW has shown less activity even than last week, which was one of the duller since the export demand began, as the Western markets were cleaned up by the heavy purchasers of soap makers, noted in our last, some of whom continue to accumulate stock, on the belief that it is good value against future wants or else to supply an unusual demand for soap, which latter has not been reported. As noted in our last, their purchases were in part from exporters who re-sold old purchases for forward shipment at a profit, and also re-let their freight room, taken for the same, at a profit, which was quite tempting and brought quicker returns than shipment, as the foreign markets, especially those of France, have not yet responded to the full advance here. This has brought transactions within a small local compass at the West, while at the Seaboard things have been equally dull, owing to inability of shippers to get prompt freights and of French markets to pay the high rates demanded for later shipments. To this writing, not a sale of city made tallow has been reported in New York, and yet melters have held firmly at 3¼c. in hhd., while the local trade has bid 3 3-16c. for small lots, without getting them, though possibly round lots could have been bought at that figure, of some brands, while others could not. The same freight conditions exist at the outports, and hence nothing has been reported from there for export and only a small local trade to their own soap makers. Of country made tallow, there have been sales at New York of 300,000 lb and of 600 tes. to this writing, at 3¼@3½c. for fair to choice, pkgs. free, and small lots of country edible at 3¾@3½c., but city has been held at 4c. for choice brands, and nothing reported doing in them, as exporters for Germany are under melters' prices, ¼@3½c. on new business, while the old short contracts were nearly all covered some time since. The stocks of city tallow have therefore increased, so far this week to the extent of the make, estimated at 800 hhd., which, added to the estimates current, given in our last, less sales made at the close of last week of 150 hhd., and 200 hhd. deliverable this week on weekly contract, would leave about 4,200 hhd. accumulation. But this is the only stock of any amount, so far as known, held at any point East or West, outside the soap makers. The bulk of the big sales reported in our last, at the West, went to the chief soap makers in Cincinnati, who were also heavy buyers a few weeks previously, when they cleaned up the Western markets before. The London sales of last week turned out to have been larger than reported here at the time, over 700 tons out of a little over 900 tons offered being sold, and part of it at 3d. advance. In speaking of the Chicago market, since our last, a local circular says: "There is hardly any stock left in packers' hands and it will consequently be an easy matter to sustain prices for a while. If the home trade can continue to take enough tallow to consume the entire output, present prices are certainly remarkably cheap, if, on the other hand, there shall prove to be a surplus, it may have to be sold on the other side at less than present prices." In addition to this strong position of tallow, lard has been still further advanced this week, over last,

making fully, if not more than, ½c. a lb from the lowest point, which helps to place tallow in a very strong position; hence, with light stocks at other points, the New York melters seem to have a good basis for their firm holding, and, unless supplies from outside sources increase, or demand from local and Western soap makers falls off, they are quite liable, in spite of the higher ocean freight markets, to compel exporters to pay their price. The strength in tallow has also extended to greases of all kinds used in soap making, white only being dull and in fair supply, as it has been held so closely to the price of prime lard until the recent advance in the latter that demand has been curtailed for this grade.

STEARINES AND OILS have been firmer but not active, although there has been more doing in both than last week, owing to improved demand for refined lard, and a little better feeling in compound lard by sympathy. The Rotterdam market has also firmed up on oils, owing to lighter shipments from this side since the extreme prices were demanded for ocean freights, which advance must be added to the price of oil on the other side, so long as tallow holds the late advance here. This places oil in a strong position also, if the output can be kept down until the other side is compelled to come in again and buy more freely.

On Monday, 250 tes. of Harrison's sold at 34 florins against 33 on Saturday for 100 United, with 100 more of Harrison's on Tuesday at 34, and 100 do. on Wednesday at 35 florins, other brands of extra being quoted 33@35 florins.

In oleo stearine, as noted above, the Western refiners have been more liberal buyers, at advancing prices, while there has been some export demand reported at Chicago at 4¼c., but how they can pay that price, with present ocean freights, for any export market, is not clear. Nevertheless, 300,000 lb sold on Monday in Chicago at 4¼c., and five cars later at 4¾c., after which 4½c. was asked, with nothing done until Wednesday, when a round lot was reported to have been sold there at 4¼c. without particulars. On the same day 50,000 lb were reported in New York 4¼c., at which the market was steady. On Tuesday 35,000 lb of city lard stearine were sold in New York on private terms quoted 4¾c. with 25,000 lb of oleo at 4¼c. On Wednesday, 100 tes. of Western lard stearine were taken at 4¼c. to arrive in New York, by local refiners. This comprises all the transactions reported East or West up to this writing.

On Thursday 25,000 bbls. of oleo sold in New York at 3¾ and 300,000 in Chicago at same price, both to local refiners; with 400 bbls. oleo oil sold in Rotterdam at 34 for Morris' Extra, 35 for Eastmans' Extra and Modoc, with a further good business in other brands reported without particulars, quoted 36 for top brands. Lard stearine was advanced to 4½ for Western and 4¾ for city in New York asked. Friday a fair export movement in No. 2 and No. 3 oleo oils was reported, and this week for Holland on the basis of 4¾ New York, for No. 3 5@5 1-6, No. 2, 5¼@6 for No. 1. Oleo stearine offered at 4¾ New York and Chicago.

### GLUE TEST.

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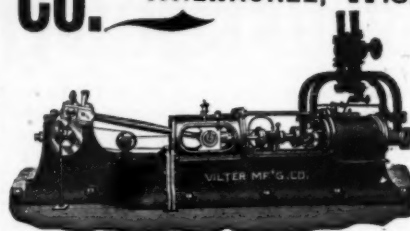
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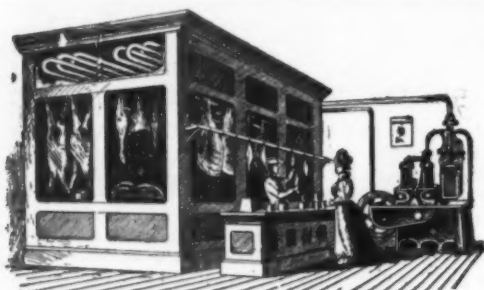
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Fairbank Casing Co., Chicago, Ill.....	one double 200-ton machine	Thomas Bradley, Philadelphia, Pa.....	one 35-ton machine



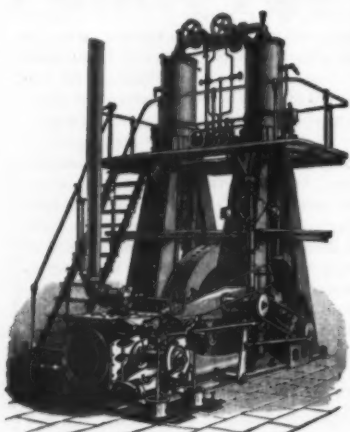
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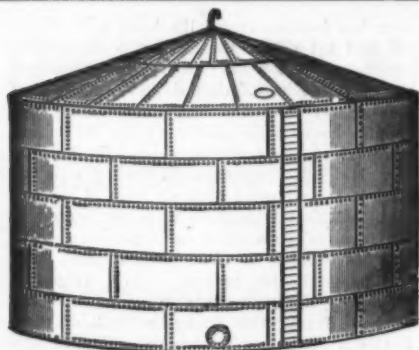
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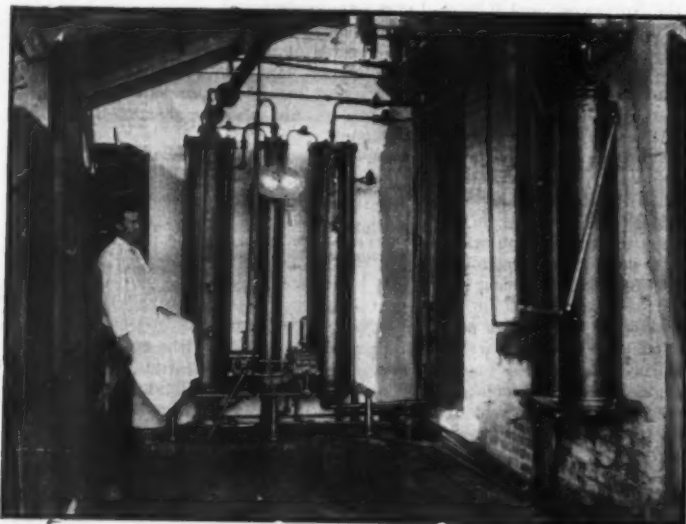
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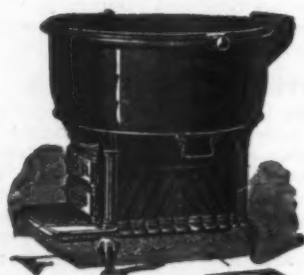


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## HIDE AND SKIN MARKETS.

### CHICAGO.

**PACKER HIDES.**—To say that the market is strong is only putting it mild, as all the packers show a disposition to advance prices. The recent large sales have placed the packers in an easy position as regards the stocks on hand, and besides they are busy delivering those sold last week. Tanners have exhibited more courage as to buying owing to more firmness in the leather market and in some cases an advance in prices. More leather has been sold in the last two weeks than for a long time back and shoe manufacturers evidently think that they may as well buy now as to wait longer and then pay more and this gives the tanner confidence so that he feels more like buying hides. Then again, it need not be disputed that as confidence in the outcome of the political situation steadily grows more certain, business men are more ready to enter into contracts for the future and this applies to tanners as well as to all other classes of business men.

No. 1 NATIVE STEERS, 60 lb and up are strong and the packers are very firm in their ideas and prices are asked from 8½c. to 9c., though we hear of no sales at over 8½c. and but one at that figure, with the light at 7½c. These were of late kill and now there is talk of 9c., but that has not yet been reached. Some of the packers are sold ahead on native steers and will not have any to offer for a time. Spread steers receive but little attention owing to the very limited demand for carriage leather.

No. 1 BUTT-BRANDED STEERS, 60 lb and up, can be quoted 7¼@7½c. without any late sales.

No. 1 TEXAS STEERS, 60 lb and up, are nominally 7½@7¾c., though tanners' views are about 7@7¼c., but the claim is that sales have been made at 7½c.

No. 1 COLORADO OR SIDE-BRANDED STEERS, 60 lb and up, have sold at 6¼c., while some of the packers ask 6½@6¾c.

BRANDED COWS have sold at 6½c., with about 6,000 taken.

NATIVE COWS are held at 8c. for both light and heavy.

BULLS, steady at 6½c. for natives and 5½c. for branded.

**COUNTRY HIDES.**—In the country hide market in Chicago there are always some peculiar transactions going on. When the dealers are sold out the prices are always low but when they get a stock on hand the talk is always of higher prices. The situation now seems to be that the dealers have but few hides to offer and consequently the talk is that hides are too high. In proportion to packer hides the country hides are not high and especially for extreme light hides for which there is a good demand and an admitted scarcity.

BUFF HIDES, 40 to 60 lb, free of brands and grubs, have sold freely at 7c. for No. 1's and 6½c. for No. 2's, and several thousand were taken at these figures. Tanners claim that they are out of the market at present asking prices.

EXTREME LIGHT HIDES, 25 to 40 lb, 7¼@8c. for No. 1's and 7@7¼c. for No. 2's. There is a report that a sale was made at 7½c. for No. 1's and 6½c. for No. 2's. For this weight there will not be any increase for some time to come.

NATIVE STEERS, 60 lb and up, free of grubs and brands have been quiet with very few sales. The dealers ask 7¼c. for No. 1's and 6¼c. for No. 2's.

SIDE-BRANDED STEERS, 6c. flat, but no sales to report.

HEAVY NATIVE COWS, 60 lb and up, free of brands and grubs, are held at 7c. for

No. 1's and 6½c. for No. 2's.

NATIVE BULLS are strong at 6¼c.

CALFSKINS, 7 to 15 lb, do not receive much attention, though dealers hold them firm at 8¼@9c. for No. 1's and 7½c. for No. 2's. A sale of several thousand is reported at 8¼c. for No. 1's and 7½c. for No. 2's.

KIPS, 15 to 25 lb have been in good demand at 7¼c. for No. 1's and 6¼c. for No. 2's.

DEACONS, unchanged, with small demand. The quotations are 35@38c.

SLUNKS sell very slowly at 15@20c.

HORSE HIDES remain quiet with quotations of \$2.40@2.50 z

### NEW YORK.

**GREEN SALTED CITY HIDES.**—The hide market is very strong, with advancing prices and holders not anxious to sell except at the extreme advance. As to whether this strong advance is wise on the part of the dealers does not come in question. The fact is that prices are steadily advancing and dealers seem to be ready to make the most of it. One thing, however, will tell in the future, and that is that the advance in prices will surely check exports and this will leave the regular stock here for the domestic tanners even though they are compelled to pay higher prices. It is well understood that the supply of hides is short, and yet, unless we have a much larger demand for leather there will probably be enough hides for the wants of the trade. It is only natural to suppose that with improved business there will be a larger consumption of meat, and consequently a larger kill of cattle, and, of course, in that case, a larger quantity of hides. We quote:

No. 1 NATIVE STEERS, 60 lb and up, 8¼@8½c. with sales of 2,500 at 8½c., 600 at 8¼c., and 600 at 8¼c., and now the asking price is 8½c., and concessions are not to be thought of just now.

BUTT-BRANDED STEERS, 60 lb and up, 6¼@7c., with sales of 3,000 at 6¼c., and now the price is 7c. firm.

SIDE-BRANDED STEERS, 60 lb and up, are quoted at 6@6¼c., with sales of 2,000 at 6c., and now the asking price is 6¼c. firm.

COWS, 6¼c. flat, but no sales to report.

BULLS, 6½c. flat, but no sales to report.

**COUNTRY HIDES.**—The market is steady but the receipts are small and mainly cows, which find a market at about 6¼@6½c. selected. The prices are too high at country points to warrant dealers in making much effort to secure hides by sending out buyers.

**CALFSKINS.**—New York City take-off of calfskins find a fair market, though any efforts at advancing prices are met by refusals to buy. The prices now are too high for export but the receipts are not large and are mostly taken by home tanners. There has been a better demand from the Western tanners, but their ideas of value are not high and any material advance would no doubt put a check to sales.

**HORSE HIDES.**—There is a better demand for good lots of hides, but prices are not high. We quote for good lots \$2.50@2.60.

**SHEEPSKINS.**—The demand is perhaps a little better, but prices are not notably higher.

### BOSTON.

**HIDES.**—The market has taken on a good deal of strength as it has in other hide centers, and sales of several cars have been made at 7¼c. The offerings are small even at the advance and if the demand was equal to what it has been in good times there would not be enough to supply the demand. Extreme light hides are held at 7¼@8c. and very few to be had while the demand is good.

**NEW ENGLAND HIDES** are firm at 6¼@7c., with a sale of 1,000 cows flat at 6½c.

**CALFSKINS** receive but little attention. Receipts are small so that there are but few offerings.

### PHILADELPHIA.

**HIDES.**—The market here, like at other points, is steadily gaining in strength and prices are higher on all kinds of hides. The sales of late have figured up to a good many hides and stocks have been pretty well cleared up. We quote steers 7c.; cows, 6@6¼c.; bulls, 5½@6c.

**CALFSKINS** have not shared in the advance of hides, as there is but little demand, though there are but few on hand.

**SHEEPSKINS.**—There is more doing with steady prices.

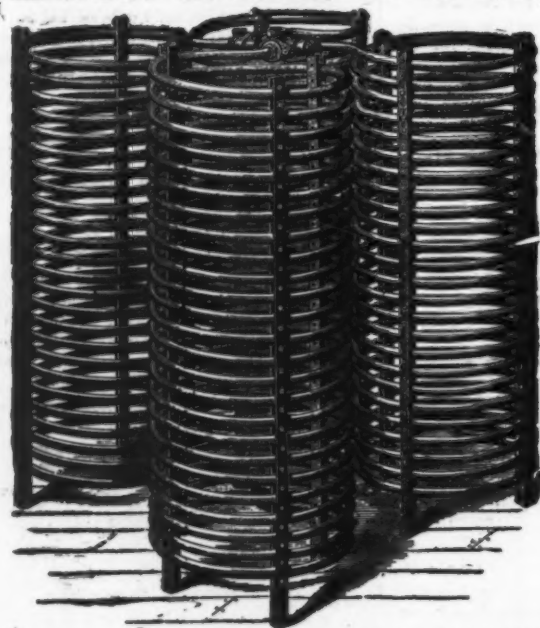
### KANSAS CITY.

There is still an upward tending market, and packers have the call. While sales have not been so large as in previous week, still a good many hides passed from packers to tanners' hands in a quiet way, at slightly better prices, and these sales keeping the packers' cellars pretty empty of stock unsold that they are getting on the old independent spirit—the packer hide salesman feeling more so every day, that he is master of the situation. To be sure, we oft have seen him thus before—and suddenly the pegs go down and with him his "high falutin'" prices. They are, however, hardly expected to have the flop of four weeks ago; they will be more guarded this time, and will not let foolish fears and newspaper rubbish frighten them. The election day is not so close at hand that if the larger ones did not sell a hide until the "danger" had passed they have ample cellar room to hold their slaughter. Their position then seemingly a strong one—and yet "a storm in a teapot" may come at any time, but if it does now, anything like a panic, will be from a cold-blooded desire of grasping and devilish greed. Most of the tanners are waiting—they purchase a car or two to keep moving, but are no wise seemingly anxious to have large stocks in vats about Nov. 3. Meanwhile Texas steers and cows—in fact, all hides—are at their very prime. The Texas as yet show no grubs, are in splendid condition, and seem to be worth the 7½c. and 6¾c. asked for them. Cows are very scarce; in former years at this time the slaughter of Texas cows would be very large indeed; this year, however, up to the present, they have failed to put in the usual appearance. Native cows are almost a rarity, and packers seem justified in asking 8c. for them. To be sure, buff hides, their rivals, are still hovering about 7c., and 1c. difference is quite an amount. In a very short time, as soon as cold weather sets in, country hides will be getting more plentiful, and the kill of the farmer here and there in the aggregate cut quite a figure against the high prices demanded at present by the packers. Cattle are coming in plentifully, and until the money tightness lets up, will come, even then the increased demand for labor would stimulate the cattle slaughter and bring a better price to beef cattle, and make shippers happy.

### SUMMARY.

The hide market seems to be steadily gaining strength and prices have advanced since last week's report fully a ½c. per lb, and on some grades more than that, and dealers are very firm in their ideas at the advance, and with tanners buying freely it is not strange that the packers and dealers are firm and not willing to make any concessions. The improved feeling all through not only the hide and leather trade but in all other lines of business is generally noticed and that inspires confidence so that men are more willing to enter into engagements than they were a short time ago and the general opinion seems



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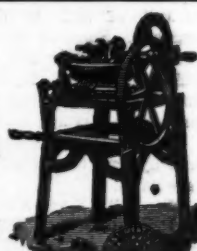
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to be that this confidence will continue to grow and to become more firmly rooted. The financial conditions continue to improve and banking concerns are more willing to loan money than they have been for a long time, though they are still very conservative, but are slowly slackening their grip and that will have some effect on the business situation. Then again, it is conceded by the great majority that the political situation is already decided and that with the other improvements goes a long way to give increased confidence. Then the tanners are getting more money for leather, though not as much advance in proportion as there has been in hides, but still enough to give them encouragement so that, taken in its entirety, there has been considerable improvement in the trade, and from expressions of leading tanners and hide dealers, the opinion is that the improvement will continue, though it is to be hoped that we may avoid a "boom" and not repeat the foolishness of the first half of 1895.

The Velasco oil mill, Houston, Texas, is expected to give nearly 2,000 bales of cotton this year. It only ginned 125 last season.

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## COTTONSEED OIL.

### WEEKLY REVIEW.

#### A DULL, WAITING MARKET

is all we have had the past week, either in refined or crude, for the reason that exporters have been shut out by scarcity of ocean freights until the latter half of October or November, and the high rates even then, necessitating an advance in oil on the other side or a decline here, neither of which have appeared probable in the near future. Yet there are shorts, still uncovered, for shipment next month, if not this, which cannot be cancelled on the other side for there is no substitute for edible oils, or for fancy soap stock, of which the short interest consists. Neither is there prospect of any material reaction in the freight market, as all the tramp steamers engaged in the Atlantic trade are taken up for a month ahead, or more, for shipments of cotton, and long voyage vessels have not yet been diverted to this trade, even at these advanced rates, as tramp steamers cannot carry freight as cheaply as the big regular liners. We are informed on good authority that the latter can make expenses, taking oil and provisions on the basis of 7s. 6d. to Liverpool, and to other ports in proportion, while tramp steamers would have to get 17s. 6d. to cover expenses, hence, there is little prospect of bringing much long voyage tonnage to this side, even at present rates, as very little West bound freight is coming from Europe, owing to light imports, and vessels would likely have to come in ballast, necessitating full return freights to make it any inducement. With this situation, there is little occasion for the holders of oil to let down prices, even would the cost of production permit, which it does not, so long as there is an uncovered short interest, which will be compelled to pay their price, whatever the ocean freight market may be, or the price of cotton oil, on the other side. On the other hand, exporters are simply buying small lots to fill out old contracts for this month, and waiting for future developments in regard to October shipments, of which short sales to the other side are thought to be quite liberal. So long as foreign markets are supplied by deliveries on these old short contracts there is little prospect of an advance there to cover the increased cost of ocean freights, but when these contracts run out, under present conditions, Europe will have to advance to make up this difference, unless seed at the South should decline in price. Of this latter there seems no present prospect to any extent, as marketing has not been so free this, as last week, but whether due to the lack of orders for oil and demand from the mills, or to refusal of planters generally to accept former prices is not learned; the former, however, is inferred, from the fact that crude oil has been much less active this week than last, at all points, as recent purchasers seem to have supplied the near wants of compound lard refiners, although they have been unable to buy in Texas at last week's prices, which have been bid this week, namely, 14½¢ for prime crude and 15¢ asked, with no sales reported from there to this writing. In the Mississippi Valley 15½¢ has been bid and 16¢ asked, with 1,000 bbls. in tanks sold, chiefly at the inside price. At Atlantic Coast mills some ten tanks have been reported, half of which were early in the week, at 16¢, the other half later at 15½¢, although the former are supposed to have been from near by, and the latter from Southeast Coast mills. This is all reported, so far, in crude oil. In New York it has been held at 22¢, 21¢ bid in bbls., and only jobbing sales reported. In prime yellow 500 bbls. were sold on Monday at 23½¢, and on Tuesday and Wednesday 1,500 bbls. more

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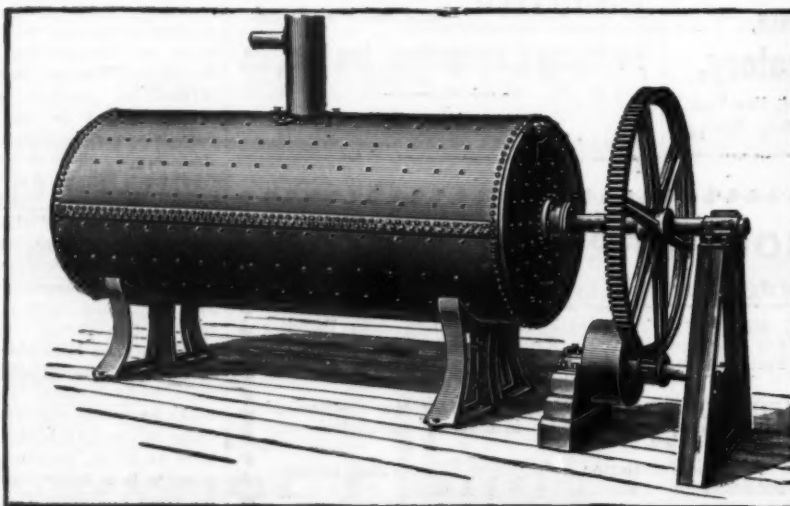
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in lot at 23 $\frac{1}{4}$ @ $\frac{1}{4}$ c., but chiefly at 23 $\frac{1}{4}$ c. for prime and 23 $\frac{1}{4}$ c. for off yellow, mostly for export. In edible oils very little has been done and prices are quoted practically the same as last week at 25 $\frac{1}{4}$ @26 $\frac{1}{4}$ c. for butter oil, fair to fancy, and 25 $\frac{1}{4}$ c. for white oil, but the same difficulty in getting freights has affected those grades as it has yellow and caused a slightly easier market on all, notwithstanding the firmer market for crude, as the latter is for home use and directly unaffected by the freight question. Further than this, there are no developments reported in any branch of the trade, and a further waiting for developments seems to be the policy on the part of refiners and crushers as well as of exporters. Neither have there been any important changes or developments in the crop situation, which remains about as explained in our last, and private estimates now generally running from a 7,500,000 bale crop down to that of the Government, namely, 6,600,000 as per its last report, which practically leaves the position of cotton oil about as it was a year ago, with 7,162,000 bales, except that no one is disposed to discount the future, the market being unusually free from speculation in any branch of the trade. Close money seems likely to necessitate this policy still longer, as no one is in position to accumulate stocks with the present financial outlook.

On Wednesday late a lot of about 300 barrels prime yellow, for which exporters could not get freight, was sold ex-dock at under 23 $\frac{1}{4}$ c., supposed to be 23 $\frac{1}{4}$ c., though some assert it was at 23c., and 200 barrels of it now oil, consigned. But on Thursday the regular market was stronger at 24c. asked and 22 $\frac{1}{2}$ c. bid for prime yellow, in sympathy with the sharp advance in lard and the renewed activity in tallow. On that day fifteen tanks prime crude sold in Texas at 15c. to Western compound lard refineries, establishing a half-cent advance over last week; also 1,000 white at 25@25 $\frac{1}{2}$ c., and 500 barrels fancy butteroil at 27c., with ordinary 26 $\frac{1}{2}$ , 25 $\frac{1}{2}$ c. being afterwards bid, and 26 $\frac{1}{2}$ c. asked for the latter. Lard oil advanced to 40@42c., with the lard market very dull.

On Friday 1,500 barrels prime yellow were reported at 23 $\frac{1}{4}$ c. f. o. b. oil ship; 400 spot dock 23c., and 1,000 off-yellow at 23 $\frac{1}{4}$ c. f. o. b. Crude, 15c. asked for Texas; 16c. near Atlantic coast mills; 15 $\frac{1}{2}$ c. Southeast coast do., and 16c. Mississippi Valley mills, and buyers holding off. Seed prices are reported unchanged, and oil meal is off jobbing at \$20 @ \$21 for old at New York.

Mr. Ellison reports world's consumption of cotton for year 1895-96; American, 8,600,000 bales; East Indian, 1,030,000 bales; Egyptian, 680,000 bales; sundries, 240,000 bales; total, 10,550,000 bales of average weight, 482.65 lb, against 10,403,000 bales of 482.51 lb previous season; reduced to bales of 400 lb, figures 12,729,000 bales, against 12,549,000 bales previous year. He estimates present crop of American is about 8,250,000 bales, and thinks will equal needs at present prices.

Mr. Neill's estimate is reported 7,800,000 bales. The world's visible is now 1,698,714 bales against 2,276,895 bales a year ago, and 1,911,381 bales two years ago. The stock at ports and interior towns totals 710,394 bales against 429,125 bales, and quantity in sight since Sept. 1, 629,479 bales, against 244,880 bales same time last year. Exports to date are 160,522 bales, against 41,631 last year.

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## ROTTERDAM OLEO REPORT.

The following sales were cabled for the week ending Sept. 25, 1896:

Sept. 15. Harrison (300/400 tcs.) sold at 31 florins.  
" 16. Harrison (50/100 tcs.) sold at 32 florins.  
" 18. Harrison (100/150 tcs.) sold at 33 florins.  
" 18. United (100/150 tcs.) sold at 33 florins.  
" 18. Brilliant Extra sold at 30 florins.  
" 18. Midland sold at 30 florins.  
" 18. Monarch sold at 30 florins.  
" 19. Modoc sold at 33 florins.  
" 19. Eastman Extra sold at 33 florins.  
" 21. Harrison sold at 34 florins.  
" 21. Morris Extra sold at 33 florins.  
" 21. Armour Extra sold at 34 florins.  
" 21. Helmet sold at 34 florins.  
" 23. Harrison sold at 35 florins.  
" 23. Goldband sold at 32 florins.  
" 24. Modoc sold at 35 florins.  
" 24. Eastman Extra sold at 35 florins.  
" 24. Morris Extra sold at 34 florins.

Sales for the week 3,000 tcs. spot, and 750 to arrive.

Sept. 19, stock in first hands, 1,900 tcs.

Stock afloat, Sept. 19.—Per stmr. Werkendam, from New York September 10, due September 21, 75 tcs.; per stmr. Veendam, from New York September 12, due September 23, 2,219 tcs.; per stmr. Tampico, from Balto. September 12, due September 24, 1,000 tcs.; per stmr. Obdam, from New York September 19, due September 30, about 4,300 tcs. Total, 5,594 tcs.

Imports into Great Britain for week ending Sept. 12, 1896: Butter, 47,886 cwt.; margarine, 17,995 cwt. 1896—butter, 53,000 cwt.; margarine, 18,000 cwt.

E. H. FERGUSON, President. R. C. WAGGENER, Treasurer. J. J. CAFFREY, Secretary.

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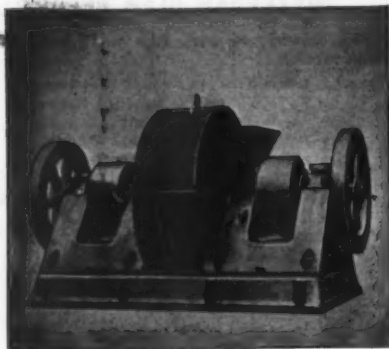
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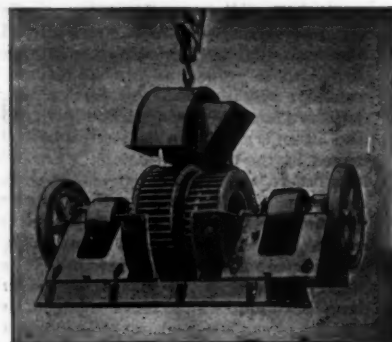
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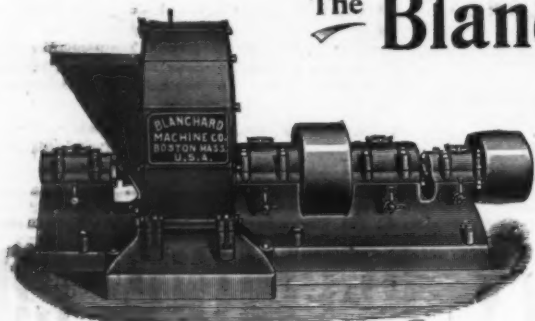
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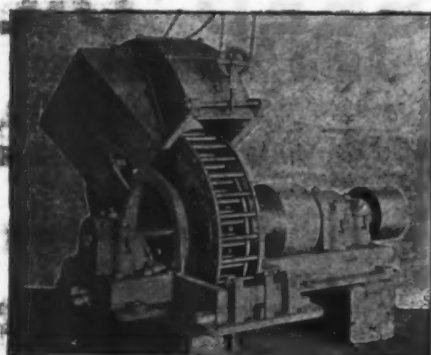


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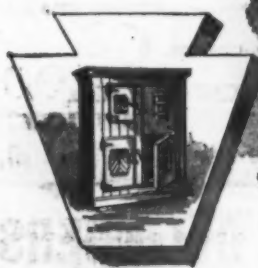
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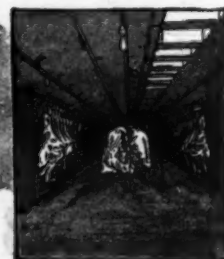


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\* Roth, Blum & Co., in San Francisco, Cal., say business is rather quiet but better than it has been. They do not expect much activity, however, until political matters are settled, and business gets on a better basis generally. They are working a small force at the packing house in the manufacture of pork products, mess pork, tallow, etc., etc.

\* Sumner H. Nash's factory at Bangor, Me., has been destroyed by fire. Mr. Nash says that his loss on building and plant will be about \$6,000 and that he will lose about \$1,500 worth of stock. He has no insurance.

## KINGAN & CO., Ltd.,

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\*\*\*\*\*

Frank Bros. are building a new soap factory building in Bellaire, O. They will manufacture all kinds of fancy and common soaps.

The Portland Mfg. Company, of Portland, Michigan, which has heretofore manufactured washing machines, is now going to take up the manufacture of an article closely allied to washing machines, viz., soap. Mr. Terriff, the secretary of the company, is confident that the soap business can be made a great winner.

The first trial of the machinery of the Shiner (Tex.) oil mill was entirely satisfactory. The plant is now in operation and is second to none in that part of the country, the most improved machinery and best methods being adopted.

There has been on exhibition on Baronne street in New Orleans, La., a cotton seed cleaning machine which cleans the seed perfectly without the aid of acids or chemicals. The machine stands seven feet high and is four feet wide. The cotton seed is placed in a hopper as it comes from a linter gin, and after being run through the machine has the appearance of polished copper, entirely stripped of its fibre, thus placing the seed and lint in such a shape as to be shipped in sacks to foreign ports; and the hulls and lint cotton, heretofore sold at a nominal cost for cow feed, can now be put to better advantage, such as making paper, steam packing felts and other things. The machine is the invention of J. Howard McCormick, who has spent years of time and money to bring it to a success. A company has been organized, and intend to push the invention at once.

The great value, advantage and superiority of the Index in the Forbes Indexed coupon books is recognized and admitted by coupon makers in general, as is shown by the numerous imitations and infringements now on the market. The Forbes book is patented. The user of an infringement is liable as well as the maker, and it is probably better to let them alone.\*\*\*

**SEE COUPON ON PAGE 27.**

Attention is called to the advertisement of the Heksey Manufacturing Company, of Boston, page 47. They carry a full line of soap-makers' machinery and deserve well to be patronized. Send for catalogue.

THE BOOK WILL BE A GREAT AID TO MANAGERS AND SUPERINTENDENTS. SEND ORDER NOW. SEE BLANK, PAGE 19.

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**BUSINESS CHANGES.**

Weaver, Shockley & Dimmett, live stock and cattle dealers, Kokomo, Ind., are financially embarrassed; liabilities, between \$8,000 and \$10,000.

The newly completed sheep sheds of the Stock Yards Company in Kansas City, Mo., is the second largest sheep division in the country, Chicago having only a few acres more.

Hayes & Wentworth have the meat and provision business of Clark & Rankins, in East Rochester, N. Y.

Eugene Goff and George White have purchased the meat business of Dickson Bros., in East Hampton, Conn.

The meat market of George S. Adams, in Rome, N. Y., has passed into the hands of William A. Turner.

Jacob Levig has purchased J. W. Weiden-saul's butcher shop in Millmont, Pa.

Jeter & Johnson, meats, etc., Atlanta, Ga., have succeeded J. B. Smith, at 14 North Broad street.

An order requiring all persons interested in the affairs of the West Side Market Company, in Buffalo, N. Y., to show cause why the corporation should not be dissolved has been granted by Justice Laughlin in the Supreme Court. The company was organized to build a market on the West Side of the city, but when the time for purchasing land came around, it was discovered that there was no money in the scheme.

Alfred Torey has opened a new meat market in Cheshire, Mass.

William Kimball has embarked in the meat and provision business in East Rochester.

Hefner Bros., who until recently conducted a live stock and commission business in Sioux City, Ia., are now in Chicago in the same line of business, being connected with the Standard Live Stock Commission Company.

The Pina County cattlemen in Arizona have organized in the town of Flagstaff for protection against the Papago Indians, whose incursions upon their herds passed the point of endurance. The officers are: President, C. W. Wright; secretary, W. J. Ross; treasurer, Geo. Rusch; Executive Committee, N. W. Bernard, James Finley and Sabino Otero.

Clark & Smith have gone into the meat business at Oxford, N. H.

E. T. Stever and Charles Gregorious have

purchased the meat market of John P. Carr on West Market street, Elmira, N. Y.

A three-story brick market house, 40 by 80 feet, and costing \$15,000 is to be built at 424 and 426 South Fourth street, Philadelphia, Pa., for Jacob Dieterfaas, owner.

The city of Memphis, Tenn., is to build a \$60,000 market house.

The Reading (Pa.) butchers have formed an association for mutual protection.

Bernard L. Taworower has been appointed receiver for Schlindler & Steinck, manufacturers of butchers' supplies at 93 Sheriff street.

A judgment of \$762.89 by Eastmans Company has been obtained against Ferdinand Teuber.

Annie Kelly, wife of William A. Kelly, Lowell, Mass., provisioner, has filed a certificate to carry on the business in his own name.

W. H. Gilden, wholesale pork, Salem, Mass., has filed a petition in insolvency.

Benjamin & Erickson, meat, Gladstone, Mich., has been succeeded by J. Berman.

A. L. Peterson, meats, St. Joseph, Mich., is succeeded by C. L. Peterson.

Quinn & Co., have succeeded O. J. Frasure, Sherburne, N. Y., in the meat market business.

The firm of H. E. Kalbourn & Co., meat market, Bristol, Conn., is dissolved.

J. F. Vreeland & Co., groceries and meats, of Mentville, Conn., have been succeeded in the business by Sherman & Larkin.

Fred. Mills, Meriden, Conn., has given real estate warranty.

The firm name of Davis & Son, meats and manufacturers of sausages, Dalton, Ga., has been changed to Davis & Sons.

Michael Coyne, provisions, Baltimore, Md., has been released from a real estate mortgage. W. P. Pfetzing, same business, same city, has been released from a \$3,000 real estate mortgage.

The firm of McLeod & Smith, retail provisioners, Boston, Mass., has been dissolved. Arthur W. Pickens, another Boston provisioner, has given a chattel mortgage for \$500.

Henry J. Wood, provisions, Boston, Mass., has given a chattel mortgage of \$125.

Martin Frank, butcher, Seabright, N. J., has given a bill of sale for \$2,000.

W. L. Farrar, provisions, Barre, Vt., has sold out to James E. McDonald.

Joseph H. Buck, of J. H. & J. C. Buck, wholesale provisions, Woburn, Mass., has sold real estate to the amount of \$598.

A judgment of \$331 has been obtained against Ira J. Nearing & Co., meat market, in Kane, Pa.

Alvin N. Boyer, butcher, Reading, Pa., has given a mortgage of \$1,500.

Columbus W. Mitchell, fertilizers, Spartansburg, S. C., has gone out of business.

Braam & Woollett, meat and groceries, Grand Rapids, Mich., have given a chattel mortgage of \$263, and a trust chattel mortgage of \$235.

Jos. Landa, of the New Braunfels (Tex.) Flour and Oil Mill, died during the week.

**TECHNICAL.****DRYING THE BONES.**

After the cooking of the bones all that remains before placing them on the market is the washing and drying. The operation of washing not only serves to clean the bones from any greasy matter or water adhering to them, but also separates from them all the meaty fiber, gristle, cartilage, etc.

In some establishments the washing is done by hand, the bones being taken from the cooking vat, and any meaty matter adhering knocked or rubbed off, the bones washed with warm water in a tub, and, finally, thrown into a barrow with a perforated bottom over which water is thrown for a final rinse.

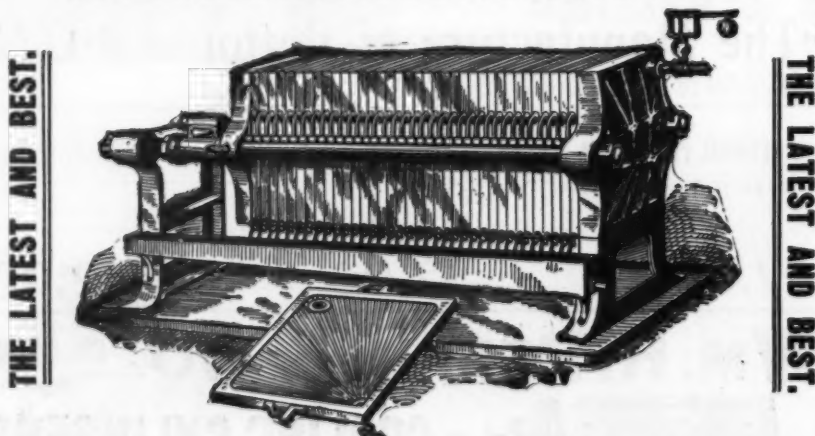
The best plan for washing, however, is by means of a revolving cylindrical screen about 8 feet long, 4 feet in diameter, and with a mesh of about 1 inch formed from heavy wire about 1/4 to 3-16 inch in diameter. Above the cylinder is placed a perforated pipe connected with a hot water supply, so that warm water can fall in a spray over the bones as they pass through the screen. The bones are taken from the vats and knocked against the edge to loosen and remove the largest particles of meat, etc., and then thrown into the revolving screen. The jet of water playing on them and pounding against the cylinder as it revolves effectually loosens all the meat, etc., and it is washed through the meshes and falls onto the floor underneath, while the cleaned bone is discharged from the opposite end of the cylinder.

The meat and small particles of bone form a low grade tankage, while the bones are taken to the drying room. Thighs, shins, blades and buttocks are generally dried at a very low temperature on wooden racks placed a few inches above the floor. Skulls, jaws, knuckles, etc., are usually dried by piling directly on coils of steam pipe. Air drying of the bones by means of a fan could easily be introduced at a great saving of steam and with better results as to color. The fan could be arranged to blow air of any degree of temperature from that at the temperature of the atmosphere to that in the neighborhood of 200° F.

The bones after drying are inspected and sorted and all imperfect ones thrown out. They are then ready for shipment, and may be shipped in bulk or in bags as the purchaser desires. Sometimes they are bought just as they were in the pile, and sometimes in assortments of a specified number of pieces per 100 lb. Whether they are bought assorted to a given number of pieces per 100 lb, the bones must be counted as thrown into the bag, and each bag weighed to see that bones of the required size have been chosen. A little experience soon enables employes to choose bones of the right size to conform to the required weight without much alteration or changing. Thighs, buttocks and shins are the ones most frequently sold this way. Skulls, knuckles, jaws, etc., are sold by the ton outright, or are ground into raw bone and sold as ground new bone.

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## TECHNICAL. MANUFACTURE OF GLUE

The following articles on the above subject have appeared in "The National Provisioner" on the dates named:

APRIL 25, 1896—	"Points on Glue Making."
" "	"About Liming of Glue Stock."
MAY 2, "	"About Glue Stock."
" 8, "	"Glues for Various Purposes."
" 16, "	"Waste of Glue Material."
" 23, "	"Points About the Water for Glue Factories."
" 30, "	"About Nettings for Drying Glues."
JUNE 6, "	"About Coloring Glue."
" 13, "	"Clarifying Glues."
" 20, "	"Glue in Coolers."
" 27, "	"About Drying of Glue."
JULY 4, "	"About Bone Glue."
" 11, "	"About Raw Material for Making Gelatine."
" 18, "	"The Leaching of Hard Bones and Horn Piths."
" 25, "	"How to Economize Acid for the Manufacture of Gelatine."
AUG. 1, "	"Cooking of Gelatine."
" 8, "	"Utilization of By-Products from the Manufacture of Gelatine."
" 22, "	"The Temperature for Cooking Glue."
" 29, "	"About Isinglass."
Sept. 12, "	"The Bleaching of Glue."
" 19, "	"Preservatives for Glue."

### ABOUT THE FOAMING OF GLUE.

If a hot glue solution is kept in constant motion, either by agitating same with a stick, or with revolving brushes, and if the surface of such glue liquor becomes covered with white air bubbles, which do not disappear, even after the liquor has been allowed to stand for a while without any agitation, we say that such glue liquors foam. According to the quality and height of the foam and the time required to produce same, the glue is said to be foaming badly, lightly or not at all.

Badly foaming glues cause a great deal of trouble when applied with revolving brushes on veneers in the following manner: A great deal of the foam is pulled in between two veneers into the joint and it is this enclosed and pressed air which prevents the glue from soaking into the wood. The veneers are pressed together, until the glue is dried. If the outside pressure is then removed, the compressed air will cause the veneer to split in the joint and thereby cause a great deal of damage. It is therefore not surprising to hear that sewing machine works, car builders, etc., do not want a foaming glue at any price and reject everything which does not suit them in this respect. We can safely say that with a few exceptions all imported glues foam. We do find a good many glues made in the United States which foam badly; as a general rule, however, the American glues show this undesirable property less than the imported ones.

About the nature of the substance which causes the glue to foam very little is known and the problem how to avoid it is as yet an unsettled question. Ten years ago the manufacturers of glue had no trouble in this respect, but with the constantly increasing use of improved machinery for applying the glue, the question of foaming glues has become very serious, almost as much so as the question of greasy glues in the wall paper trade.

The following conditions are liable to cause glues to become foamy: Prolonged cooking either in open vats or under pressure will produce a foaming glue. It is therefore most desirable to prepare the glue stock so that it will yield glue liquor in a short time at a comparatively low temperature. Bones should be crushed and glue stock limed and both kept in motion while in the cooker. Caustic

lime will also cause glue to foam, especially at a temperature of 180 to 210° F. It is, therefore, a matter of importance to have limed glue stock well washed with water than with acid and with water again, though it is almost impossible to have a stock perfectly neutral, as it will always contain some caustic lime, especially in the large and heavy pieces, pates, ears, tails, etc. Furthermore, it is desirable to make as many runs of glue liquor as practically possible, as the last trace of caustic of lime are well neutralized by bicarbonate of lime contained in the water used for cooking glue. The more water and the more bi-carbonates come in action, the more the dangerous action of the caustic of lime on the glue is reduced to a minimum. Another cause of the foaming is the use of acids either in the cooker or in the ready glue liquor. All glue liquors produced by cooking with an excess of acids will give foaming glues; also glue liquors treated with acids either for bleaching or for clarifying or with zinc salts for preserving, are liable to give foaming glues. Great care is therefore to be taken in treating glue liquors for bleaching, clarifying or preserving not to overdo the treatment, if the glues obtained shall be free of the undesirable property. Glues colored with zinc white have also a tendency to foam.

### SOAP MAKING.

No. 10.

#### SLABBING AND CUTTING INTO TABLETS.

A frame of fixed wires is then attached to bands in the same fashion as the slabbing was done, and is drawn through the slabs, cutting them the cross way, and thus making the whole frame into bars in a single operation. This method of barring the soap is about as speedy a plan as any, but it has one or two drawbacks, which with some makers, may be objectionable. For one thing, some little care is necessary to see that everything is perfectly plumb, otherwise the chances are that the bars will not be perfectly square. And again, in drawing off the soap and setting it up to dry, the edges of the bars are apt to become damaged by the hands. A machine of this kind has a great advantage, so far as speed is concerned, over the old style of machine, which cuts only one slab at a time, but the old cutter has the advantage in ensuring a perfectly square bar without injury to the edges—that is to say, you have less risk with the one than with the other.

The soap may now require to be cut into tablets, and for this purpose a very good machine and a very simple one can be constructed. It consists of a flat table with a slot at either side near the center, into which a movable frame is dropped or removed at pleasure. This frame is also fitted with wires set to the size required. The soap is then placed on the table one bar deep, and the bars are driven through the wires with the aid of a rack and pinion, cutting about a dozen bars at a time. The soaps for tablet purposes generally require to be twice cut, and in that the same table will do, for you can fit it with two or four different frames without its being objectionably large.

All tablet soaps must first be dried before being stamped, and hence a hot closet is re-

quired for that purpose. The soap is generally placed in racks, which racks are fitted on wheels. These are run up to the cutting-table, filled, and then run bodily into the stove. The stove is generally heated with steam pipes, but a much preferable method of heating is with hot air. You can get a more even temperature in that way, and avoid the annoyance of sometimes finding that part of your soap nearest the steam pipes to be in a half melted state. After a few hours in the stove, the racks are run out again alongside the stamping machine, and after the soap has cooled down the stamping proceeds. It does not do to stamp the soap while warm. The object of the stoving is to dry the outer skin of the soap and make it hard, so that it will receive a clear-cut impression from the stamp. The stamping is generally done by boys and is always paid for by the piece. Two boys generally go together and work each machine, the one feeding and removing while the other works the stamp, each taking turn about. Of course, the boys are naturally anxious to make as much money as possible, and in their haste to be rich, the result is that a great many of them get maimed through the stamp coming down upon their fingers, sometimes cutting a finger clear off. There are now one or two very good machines driven by steam which are as safe in the working as they are economical. It only remains now that the soap should be packed in paper or cardboard boxes, which is generally done by girls on piece work. No doubt it is always desirable to see soap, as well as other merchandise, well and attractively wrapped. It is unfortunate, however, that the wrapping costs so much. Where each tablet of twelve or sixteen ounces claims a wrapper, and especially if the wrapper be a colored one, it means a good deal of money in the ton of soap, and that money, in one view of it at least, is in a manner, wasted. One way of avoiding this cost is the very ingenious one of stamping the tablet of soap, by the use of perforating needles, charged with coloring matter. These needles go right through the soap, and print on it any name or advertisement that may be desired, and being through and through the soap it does not wear off, but lasts as long as the soap. Whether this will prove a commercial success or not it is difficult to say. The idea is a good one, but the public taste is peculiar and time alone will prove the utility and value of the invention.

We have hitherto spoken solely of the ordi-

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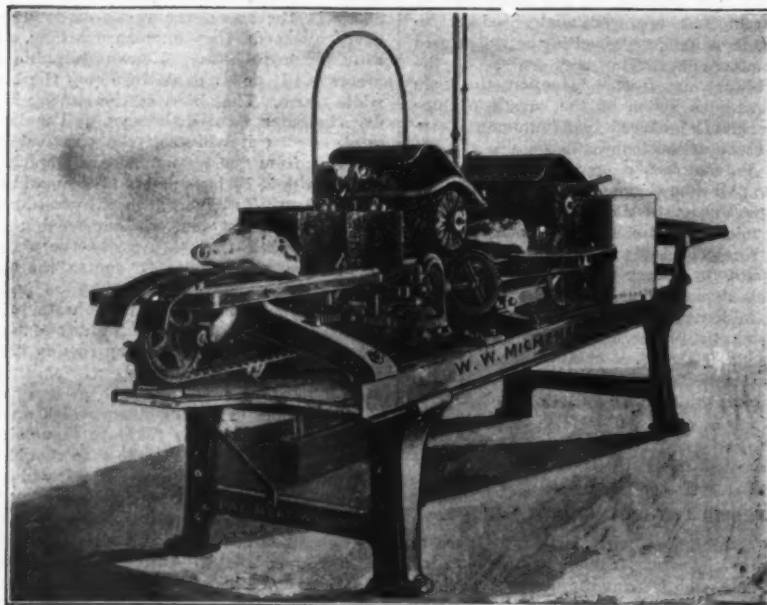


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*This machine is built for service, will cleanse thoroughly any size of the several cuts of meat mentioned above WITHOUT ADJUSTMENT, and will prove invaluable to Packers and Smokers of Meats.*

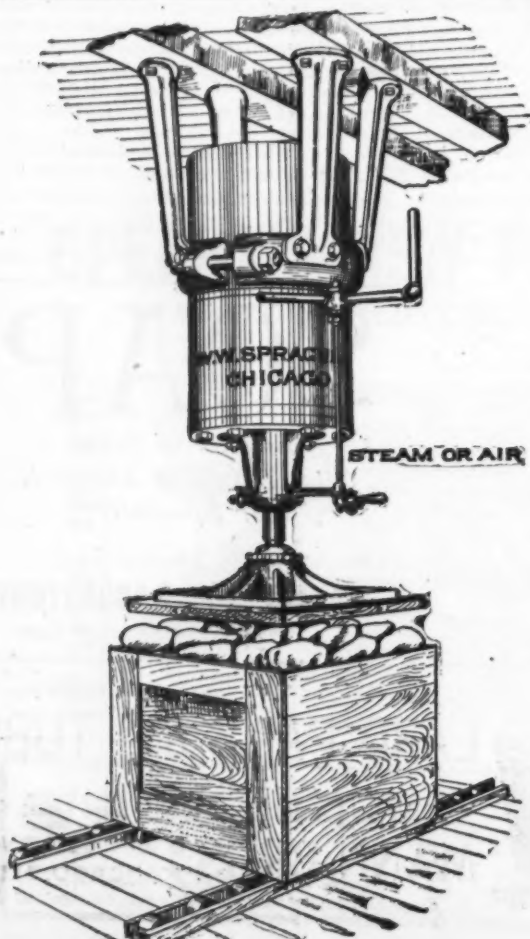
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**The W. W. SPRAGUE CO.**  
**CHICAGO, ILL.**

## TECHNICAL.

nary tallow and rosin soap, or, we should rather put it, excess of rosin soaps, but we have not noticed particularly the quick-lathering soaps that have of late years been forced on the market, and have met with such remarkable success.

The old fashioned idea was to have a soap that would not rub away too quickly, and hence the soap had to be made out of good, firm materials. And not only that, but the consumer always kept the soap till it was as hard as flint before using it. These things are apparently changed now. The idea now is to get a soap that lathers with the first rub and that will disappear as quickly as possible. It was no discovery the making of quick lathering soap, for such soap had been known to soap makers for many long years. The great discovery that was made in connection with these soaps was the discovery that the people wanted them, and that discovery was almost certainly the result of mere accident.

(To be Continued.)

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... AND ...  
**ALL SOAP MATERIALS.**

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ANALYZED.

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## ROTTERDAM ITEMS.

Rotterdam, Sept. 15, 1896.

The jobbing trade has not been so good as expected during the past week, which is generally the case after a prolonged briskness in demand; people buy far more than wanted which results in the accumulation of small stocks, large enough, however, to meet the demand a week or longer without buying. Another factor may have been the weak Chicago markets which made the small jobbers in the interior wait for lower prices, though it sounds rare, it is a matter of fact that the shopkeepers who buy one box of bacon at a time watch the course of the Chicago market just as closely as a big operator at the board of trade.

Importers showed more disposition to buy, the fact, however, that the majority of the packers are sold out for September shipment will be a drawback to the trade as this month is rather too far in the season.

At prompt shipment picnic hams sold at 20½ fls; long flat backs, 30 florins; North Packing & Provision Co., at 25 florins; Shoulders in borax, at 20 florins; and short fat backs, 30@40 lb at 24½ florins. Germany sold some 240 boxes old short clears, which may be considered the balance of the huge stock of old bacon that has been kept there quite a long time.

One of the largest provision merchants at Antwerp reported the potato crop badly damaged in Belgium and Germany, expecting this would be a boon to the bacon demand.

Hogs and cattle are marketed in liberal but not excessive quantities this past week. The demand has been good and prices were unchanged but firm. Reports about diseases remain nominal, very probably it will be limited to the few places where it has been till this moment.

Last week's oleo oil market has been lower, though the closing prices of the week before were 33 florins. Swift & Co. sold 65 tierces early last week at 31 florins. After the discharging of the steamer Spaarndam, Morris, Helmet, and later Harrison also sold at 30 florins. Second qualities sold at 20 florins. Sales for the week amount to 2,005 tierces, of which 495 on shipment, stock 1,700 tierces; shipments, 7,509 tierces. The market closes in a quiet position, without reason to justify the recent decline.

Neutral lard was offered a trifle lower, at 20@20½ florins, with little or no demand.

Cotton oil sold at 21@22 florins, both for spot and on shipment in liberal quantities.

## RECENT PATENTS AND TRADE MARKS.

26,073—Francis A. Bates, Philadelphia, Pa., assignor to Morse, Williams & Company, of Pennsylvania; cylinder-head for hoisting machine. 26,065—George L. Jenkins, Philadelphia, Pa., assignor to Austin, Nichols & Company, New York, N. Y.; bottle.

### PATENTS.

568,219—Distilling apparatus; Joseph Van Ruyambeke, Chicago, Ill., assignor of one-half to William F. Jobbins, same place. 568,258—Process of and apparatus for distilling fatty substances; Victor J. Kuess, Bordeaux, France. 568,096—Drying apparatus; Charles B. McDonald, Chicago, Ill.; assignor of one-half to Jonathan O. Armour, same place. 568,028—Hog-scalding apparatus; David W. Inman, Versailles, Ohio. 567,969—Coil-cleaning device for refrigerating apparatus; Conrad Eurich and George Donges, Baltimore, Md. 568,312—Refrigerator; Sherman Dickinson, Grand Haven, Mich., assignor to the Challenge Corn Planter Company, same place. 568,259—Evaporative refrigerator; James G. Lamb, Wellington, New Zealand. 567,964—Smoke-consuming device; John C. Dias, Wilmerding, Pa.; assignor of one-third to John S. McIntosh, same place.

## NEW YORK CITY AND VICINITY.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

\*\* George Rautenbach has sold out his business on Tenth avenue and started a butcher shop at 455 West Thirty-ninth street.

\*\* James McLean has put in new fixtures in the market of William King at 619 Madison avenue. He is also fitting up a market for Charles Heinemann on 135th street and Fifth avenue which the latter will open about Oct. 3. Blackfish Bros., in Bloomfield avenue, Newark, are new butchers ready for business. The market of Edgar Fegge, in Atlantic avenue and Smith street, Brooklyn, has been supplied by Mr. McLean with a new ice house.

\*\* The Charlestown Beef Co., of 696 Second avenue, has been for several years in business on the opposite side of the same avenue, consequently they are already well known and have acquired a good trade there, the removal being to larger premises, and owing to increase of business. Chas. Richter is the sole proprietor, does his own buying, and employs three assistants. He also sells vegetables and fruits, besides first-class meats and provisions.

The following is the full text of the petition of the New York Retail Butchers' Mutual Protective Association to the Board of Aldermen of this city, which was referred to in this paper last week:

New York, Sept. 16, 1896.

To the Honorable the members of the Board of Aldermen.

Dear Sirs: At a regular meeting of the above association, held in Grocers Hall on Monday evening, Sept. 14, it was resolved that this association begs to protest against the adoption by your honorable body of the resolution introduced on Sept. 8, 1896, prohibiting trucks, express wagons and other business vehicles from using the Western Boulevard, between Fifty-ninth and 125th streets, except for a distance of not more than one block at a time.

The adoption of above resolution we consider would be a great injustice to all having light delivery wagons, and now using that thoroughfare.

Believing that your honorable body will protect the large business interests of this great city and grant us a hearing of same by committee, we are

Very respectfully yours,

The New York Retail Butchers' Mutual Protective Association.

CHARLES YOUNG, Rec. Secretary.

Messrs. William G. Wagner, George Thompson and Robert B. Nooney, three of the committee appointed by the retail butchers to wait upon the Board of Aldermen of this city, to strengthen the above petition, waited upon the Street Committee of the Board at its meeting Tuesday. The retail butchers say they do not ask more than simple justice. While they recognize the rights of wheelmen to enjoy the Boulevard, they think it unfair discrimination to injure their (the butchers') business. It is understood that Alderman Wund, who is a member of the Street Committee, favors granting the butchers' petition as he is impressed with the justice and fairness of their position.

General Packing House Supplies, Machinery and Fixtures.

## FRED. K. HIGBIE,

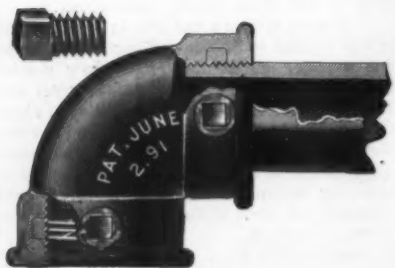
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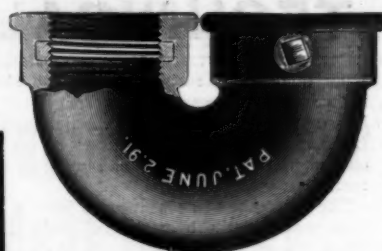
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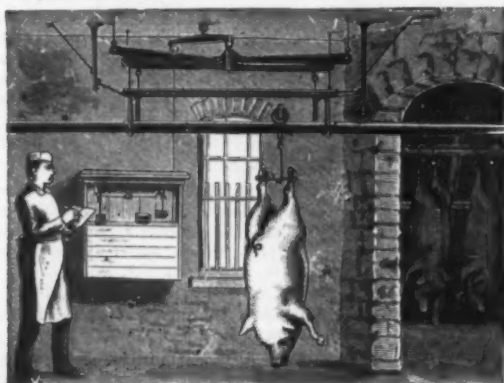
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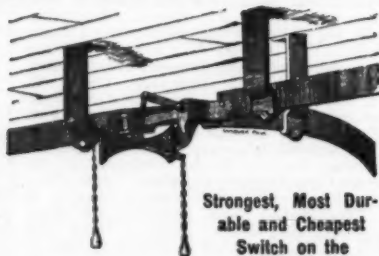
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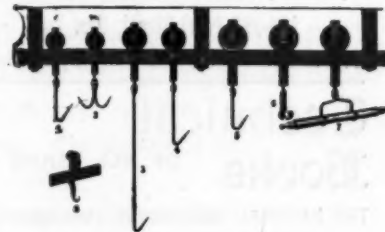


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**WANT AND FOR SALE ADS, can be found on PAGE 46.**

# TECHNICAL.

## ANSWERS TO CORRESPONDENTS.

We gladly and as promptly as possible answer all reasonable questions in this column sent to us by our SUBSCRIBERS or ADVERTISERS.

Answers desired by mail should be accompanied by a stamped, addressed envelope.

Persons desiring not to be known as making an inquiry should add a *nom de plume* to their questions. By so doing they will avoid identification in this column. The correct name and address should, however, for the publisher's satisfaction, accompany each request for information.

R. S., OHIO.—Your wish will be granted within a very short time; one of the next articles on the manufacture of glue will treat on the theory of evaporating and on the correct principles on which an evaporator should be constructed. You will then readily understand the multiple effect evaporation and also why it is possible to evaporate with one pound of coal (of an efficiency of 8 pounds evaporation in the boilers), 24 and even 32 lbs. water in a multiple effect evaporator. If you happen to get to this city do not fail to call on us; we will be pleased to give you the desired information.

J. D. L., BOSTON.—You are right and wrong at the same time. It is true all sodium chloride is alike, but the common grades of salt are not sodium chloride alone. The different kinds of salt do not differ only in the size of their crystals, but also and very materially in the number and respective percentage of salts other than the sodium chloride, which usually are found as impurities in the common salt. According to the purposes to which the salt is to be put the impurities present have a more or less detrimental effect. One grade of salt may be perfectly suitable for one purpose and absolutely useless for another. Of the ordinary impurities the following are the ones usually found: Gypsum, chloride of calcium, chloride and sulphate of magnesium, sulphate of sodium and from salts or oxides. For your purpose you should try to obtain salt as free as possible of magnesium and calcium salts, as these impurities give the salt its bitter taste, and also impart same to the pickle and the meats prepared with it. It is possible to rectify the taste of brine and improve same very materially, but accurate knowledge of the composition of the salt or the pickle are necessary for this purpose.

O.R., CONNECTICUT.—Too late for this issue, but to satisfy the request of several other subscribers we will publish among these columns an abbreviated account of the titre test.

R. H., CHICAGO.—We fear your discovery comes too late. P. C. Hewitt has lately taken out patents for a process to clarify glue liquors which is substantially described as follows: The glue liquor coming from the cooker after cooling is mixed with a solution of Casein, which is brought to coagulation by heating and neutralization with acid. Animal Casein is dissolved in dilute lime water; the lime amounting to about 5 per cent. of the weight of the casein. Vegetable casein is extracted from the plants by a weak solution of caustic soda. Both solutions are therefore alkaline, and must be neutralized when mixed with the glue liquor; according to the alkaline neutral or acid reaction of the glue liquor more or less acid is consumed. The selection of the acid is made with a view that the resulting salt be not detrimental to the glue. The glue liquor and the casein solution are mixed in the approximate proportion of 1,000:1; the mixture is then neutralized and eventually heated. After complete coagulation the glue liquor is filtered.

C. N. C., MAINE.—You can have a copy

of Redwood's Mechanical Refrigeration sent to you if you will mail us one dollar.

JOHN M. M., OHIO.—According to the United States Census of 1870 there were in the country, cattle, 23,820,508, and swine, 25,703,813.

H. X. B., NASHVILLE.—A test for olive oil suggested by Poutet. It depends upon the peculiar action of nitrous acid and olive oil. A nitrate of mercury is prepared by dissolving six parts of quicksilver in seven and a half parts of nitric acid of a specific gravity 1.36 without applying heat. When one part of this freshly prepared solution is added to ten parts of oil, the mixture becomes concrete in a few hours. The mixture of foreign oil prevents this congelation, and is more or less liquid, in proportion to the adulteration. A comparative experiment should be made with an oil of known purity. Address the National Provisioner Analytical Laboratory, 284 Pearl street, New York, for further particulars.

ENGLISHMAN, IOWA.—Soap transparent, in the manufacture of which spirit has been used pays a duty 3 pence per pound in England, and is one of the 19 articles on the dutiable list.

WOLFER, MASSACHUSETTS.—The duty on Castile soap under the act of 1894 is 20 per cent. ad valorem; toilet soap, perfumed, pays 35 per cent. ad valorem. Under the McKinley Tariff (1890) the rates were 1¼ cents and 15 cents per pound respectively.

Inquisitive, Georgia.—Beware of canaigre. If you have no experience in raising this product you will have to pay dearly for it. Canaigre companies have been promoted all through the South and West. We do not know of a single one which made a commercial success. In Bulletin No. 21 of the Arizona Agricultural Experiment Station, Tucson, published July, 1896, you will find a great deal of valuable information concerning canaigre, its value as tanning material, its relation to the soil, etc. Our long experience with canaigre is at your disposal, especially also the work of our analytical laboratory, in this line.

R. L., Connecticut.—For analysis of tankage and bone meal, determination of ammonia and bone phosphate, \$7.50; determination of fat in connection with the above, \$2.50, alone \$3; determination of moisture and ammonia in blood, hoof meal, etc., \$5.

"Alderman," St. Louis.—At the present prices the manufacture of ferrocyanide of potassium is not a very profitable one. The idea to find a new outlet and home consumption for the large amount of nitrogenous matter produced and for the larger amount still wasted, is surely a creditable one. But few manufacturers know how to produce ferrocyanide cheaply enough to enable them to sell the product at 17 cents per pound; this applies to our American manufacturers, as well as to European competitors. That this statement is substantially correct, the many failures in this line during the last few months go to prove. Ferrocyanides are now also produced from sulphocyanides, which are obtained as an almost worthless by-product in gas factories. We heard a rumor that Carnegie is going to take up the manufacture on a large scale by utilizing the large amounts of sulphocyanides which he may, with proper appointments, gather from his coke ovens.

Knox.—Certainly. The testing of glues requires skill, experience and special apparatus, all of which we have at our disposal. We have special machines, our own devices, which enable us to test and match almost every kind of glue. Our articles on glue, etc., are greatly appreciated by practical men. We regret that we cannot supply you with all the back numbers asked for.

## PACKING HOUSE NOTES.

Manufacturers of machinery and fixtures interested in these notes, should also consult the items under Ice and Refrigeration, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

\* The Pacific Packing House, at the northwest corner of Fourth and Bryant streets, in San Francisco, Cal., is well worthy of description, as a considerable manufacturing establishment of that city. Founded in 1876 by Joseph Buttgenbach, it has now been carried on by him for twenty years with constant increasing success. It is fitted with its own ice plant, has large refrigerating chambers, smoke house, sausage machines and manufactures sweet and good all classes of salt and fresh pork products. The energy of the proprietor, who is a practical and experienced man, is shown by the fact that he has his own dynamo for electric lighting, has sunk his own well to a depth of 90 feet, whence he has a supply of the purest water. He buys his hogs ready dressed from the butchers for the most part, using about 200 per week. The business is both local and outside, and is in a prosperous condition.

\* The firm of Darlington, Quick & Boyden, commission men at the Stock Yards, Chicago, failed Thursday morning, and almost simultaneously with the news of the failure came the information from Lincoln, Ill., that Frederick Boyden, a member of the firm, had committed suicide. The firm is one of the oldest and best known among the business houses at the yards.

\* The first case of trichinosis in Passaic County, N. J., was reported to the health authorities in Paterson Thursday. Mrs. Leach, of Edward street, was being treated for cancer and germs of trichinosis were found in a portion of the diseased flesh. The Board of Health is investigating.

\* Mr. William Flood, of the firm of Sparks & Flood, live stock dealers, of New Orleans, La., has returned from an extended business trip through Guatemala. Mr. Flood speaks of Guatemala as a country wonderfully rich and full of resources. He said it was a good country for a man to go to and make money. In the next few years a good live man could go there and make a small fortune in almost any kind of business. Mr. Flood says that there is the best opening in the world there for the livestock business, particularly the handling of beef steers. He says a good steer is worth in Guatemala from \$60 to \$75, and that they can be bought in the interior for little or nothing, in comparison to the selling price. There is scarcely any one in the business there at the present time, and with the advent of the new railroad that the government is building, the handling of stock will be vastly improved. Mr. Flood intends establishing himself in Guatemala next spring, and will engage in the live stock business.

\* James L. Paxton, superintendent of the Union Stock Yards Company, in Omaha, has returned from a trip through the cattle country in South Dakota. He found a great many cattle in that territory, the ranges being in good condition. Competition is brisk for shipments from the Dakotas, but Mr. Paxton says that this market will get its share, as cattlemen who tried this market last year went home well pleased with the prices and treatment received.

\* It is now less than a month until the National Live Stock Exchange meets in Fort Worth, Tex., and the fat stock show comes off. Preparations are being made to entertain the visitors in splendid style and also to make the show a booming success. Stockmen are watching the results of this stock show, and if the stockmen patronize it properly it will unquestionably prove to be one of the greatest concerns of its kind in Texas.



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**A Very Strong and Powerful Machine.**

*Will crush all sizes and conditions of bones, including skulls, whether they are raw, dried or steamed, doing the work rapidly and well, from 3 to 5 tons per hour.*

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**THE FOOS MFG. CO.,  
SPRINGFIELD, OHIO.**

# THE UTILITY OF BORACIC ACID.

To the trade in general and exporters of meats in particular the following test will doubtless be of more than passing interest. Our foreign subscribers will also be interested. Boracic acid is perfectly harmless to the human system in small quantities as could possibly enter the stomach through the agency of meats consumed which have been packed in boracic acid inasmuch as the percentage used in packing—less than  $\frac{1}{2}$  of 1 per cent.—putting aside the fact that such

meats are subjected to a thorough washing prior to being put into consumption—would be an infinitesimal quantity. As we have stated in previous numbers, a natural product of the earth, it has found another channel of usefulness to add to its already hundreds. We shall be pleased to hear from those of our readers who have made similar experiments in this direction, as to resultant, as such matters are of vital importance to the trade we have the honor to represent. Aside from all other advantages, the saving is enormous in the aggregate. At the least calculation  $22\frac{1}{2}$

cents per box over the old method of boraxing. Following are the particulars: Test made by.....Chicago, packed at .....packing house, eight boxes Cumberland Middles, 28@30 lb average and shipped to ..... Liverpool, England, who, in conjunction with party sent over for purpose of verification, made following report, see extract of letter dated Liverpool, Aug. 22, 1896: "The first five boxes were shipped July 6 and the last three on July 18 and arrived in due course." The great point is in packing for export, wipe dry and pack boxes to utmost capacity:

## TEST OF 8 BOXES CUMBERLAND MIDDLES, PACKED AT CHICAGO AND SHIPPED TO LIVERPOOL.

Particulars as appended. Shipments July 6 and 18, 1896.

Brand and Shipping Mark.	No. of Box.	Pieces in Box.	Lbs. Gross, no Allowance.	Packed in	Lbs. Used per Box.	Cost per Box.	Liverpool Account Sale Weight.	Shrink from Invoice Weight.	Liverpool Dried Weight.	Shrink from Account Sale Weight.	General Remarks and Extract from Liverpool Letter.
—<> A.	1	20	540	Borax .....	$7\frac{1}{2}$	43c.	535	5	506	29	<p>Shrinkage from Invoiced weight to account sale weight = .97%. Where there is a preponderance of boracic acid, the shrinkage is <math>\frac{1}{2}</math> lb. per box less than boraxed.</p> <p>Shrinkage from account sale weight to dried weight (that is, washed and dried ready for retail), is 5.31%, considered very light.</p> <p>Saving per box over borax in favor of boracic acid and borax mixed <math>\frac{3}{4}</math> and <math>\frac{1}{4}</math>, respectively, is <math>22\frac{1}{2}</math> cents per box.</p> <p>Boracic acid, being a much lighter substance than borax, is consequently bulkier, which accounts for much less weight-sufficiency to cover meats which is all necessary. It is also the best and cheapest antiseptic and styptic known, and the most harmless.</p> <p>Extract from Letter dated Liverpool, Eng., Aug. 22, 1896.</p> <p>"&lt;&gt; G. No. 7 turned out simply splendid—beat boraxed meats all hollow, No. 1 being a first-class sample of boraxed meat, however. No. 5 was very nice, but the heavier-packed box under same formula was much superior. No. 7 also showed the least shrinkage in total, No. 8 being equal, which meat appeared much the same as boraxed. Think <math>\frac{3}{4}</math> boracic acid and <math>\frac{1}{4}</math> borax the thing exactly. They do not care over here what the meat is packed in, providing it turns out as No. 7 did. Experts say they never saw finer meat."</p>
— " B.	2	20	545	Boracic acid..	$2\frac{1}{2}$	$22\frac{1}{2}$ c.	539	6	509	30	
— " C.	3	18	524	Borax, $\frac{3}{4}$ ... B. acid, $\frac{1}{4}$ ...	No test.	*	518	6	491	27	
— " D.	4	18	521	Borax, $\frac{1}{2}$ ... B. acid, $\frac{1}{2}$ ...	No test.	*	517	4	486	31	
— " E.	5	18	532	Borax, $\frac{1}{4}$ ... B. acid, $\frac{3}{4}$ ...	$2\frac{1}{2}$	$20\frac{1}{2}$ c.	527	5	495	32	
— " F.	6	19	556	Borax, $\frac{1}{3}$ ... B. acid, $\frac{2}{3}$ ...	$2\frac{1}{2}$	$18\frac{1}{2}$ c.	550	6	520	30	
— " G.	7	19	545	Borax, $\frac{1}{4}$ ... B. acid, $\frac{3}{4}$ ...	$2\frac{1}{2}$	$20\frac{1}{2}$ c.	540	5	516	24	
— " H.	8	19	552	Borax, $\frac{2}{4}$ ... B. acid, $\frac{2}{4}$ ...	$3\frac{1}{2}$	$23\frac{3}{4}$ c.	547	5	523	24	
			4,315				4,273		4,046		

\* Mixtures made several days prior to packing and left in damp place and absorbed considerable moisture rendering mass practically useless, consequently no test. \*\*

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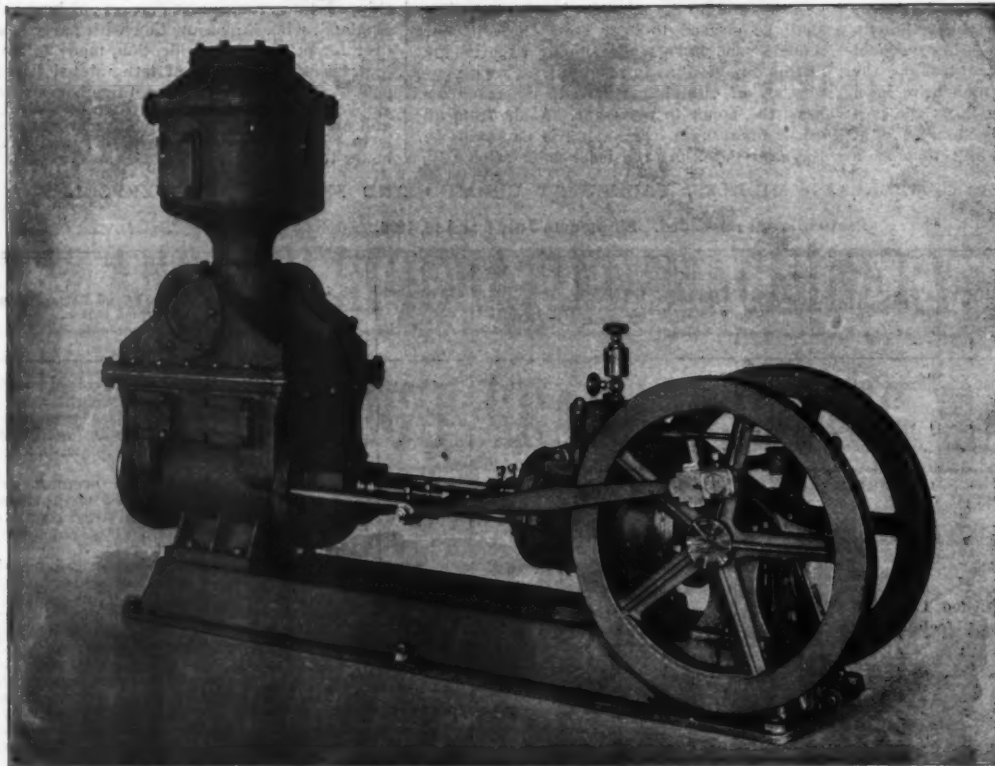
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**WANT AND FOR SALE ADS, can be found on PAGE 46**



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For Meat Canning, and Beef  
Extract Factories.

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Presses. All kinds of Lard  
Coolers. Evaporators, Hash-  
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Conveyors, Shafting, Hang-  
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and Artesian Well Pumps.  
Shackles, Branders, Fat and  
Bone Washers, Bone and  
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Capacity 700 Hogs  
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## CHICAGO NOTES.

M. F. Mullins, the champion beef dresser of the world is open for a beef-dressing contest under American rules for from \$5,000 to \$25,000—\$1,000 forfeit. He is also open to engage in exhibitions. Mr. Mullins can be found wading in the gore at Swift & Company's establishment any time, and seems to be a general favorite. Certainly, a superior man aside from his physical superiority as set forth in his contests. He is now about twenty-eight years of age, and is open until Jan. 1, 1897.

Brother Groh has hatched up and brought out as neat and compact a killing department as can be found in the United States. He goes in for plenty of room, light and air, coupled with every modern improvement, which he argues (and he's right, too), is essential in every respect. By the 1st of November he expects to have everything in line in the new house and the old one vacated completely.

"Bungs," alias Frederèque Q. Seabrooke K. Higbie, the deservedly popular packers' supply man offices "Suite 513 to 518," Great Northern Office Building, corner Lake and La Salle street, says "business" never was better, thanks to the packers in general and The National Provisioner in particular. Thanks, Frederèque!!!!

W. W. Michener returned Thursday from a sojourn in Philadelphia feeling finer than silk.

It is rumored that W. W. Sprague will take charge of his old plant for the Union Stock Yards Transit Company.

Mr. Howard, manager Transit House, says business is picking up, and certainly runs his establishment on par with any hotel in Chicago.

A pretty stiff mathematical problem crops up re—whether Dick Oake, John Roberts, Henry Seiter, or Gilroy is the King-pin. Oake made a terrible stab at it, but the heavy-weights seem to have won out. Connore says he'd would have been pleased to have been "in it."

George B. Hopper, for sixteen years with Nelson Morris & Co. (the greater part of which time he was in charge of the canning and extract department), has resigned, and purposes taking a trip through Australia and New Zealand, sailing on Oct. 15 from San Francisco in the S. S. Mariposa. Mr. Hopper is well known as one of the leading men in his line in the country.

Perty Gilson and Frank Brennan, butchers, doing business as Gilson & Brennan, at 1213 Wabash avenue, made an assignment in the

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County Court yesterday to Davies P. Peck. Assets are estimated at \$8,000, and liabilities \$7,000.

The A. H. Barber Refrigerating Company have just closed a contract for a complete refrigerating and ice-making duplicate plant, with the Menger Hotel Company, San Antonio, Tex.; also a refrigerating machine for the creamery of J. T. Brooks, Salem, O.

## LIVE STOCK REVIEWS.

### CHICAGO.

(Written especially for The National Provisioner;)  
(MALLORY, SON & ZIMMERMAN CO.)

**HOGS.**—The undertone of strength notes in our last three letters developed into a fair advance in prices for both hogs and provisions. The demand for hog product of all kinds was never larger, and the export shipments are measured only by the capacity of the freight room, which is all engaged for sixty days. European countries are always quick to perceive low priced commodities, especially cattle and hog products and bread-stuffs, and they have more confidence in our own country than we seem to have in ourselves. If more of our people would stop looking at the pessimistic side and pay less attention to politics and attend more to their legitimate business, times would soon be better and everybody far happier. Confidence is still gradually returning, as shown by the broadening of our speculative markets. The bears and other factors against good times are less aggressive, and as stated several times recently, we think the depression and its effects have been fully discounted. We do not predict, neither do we think, it wise to have any great or sudden boom in prices, but do believe we have seen bottom prices for nearly everything in our line at least, and as confidence continues to grow, we look for a gradual but positive improvement even before the election.

The quality of the hogs is no better, and while the receipts are still liberal, we can see signs of some reduction in the supply before long, and still believe that the supply of hogs the fore part of the packing season will not equal some of the estimates of the packers. Present prices for hogs, however, are fair, considering the low price of feed, and until the provision market makes further advances we would not advise discounting the future. We should have continued liberal receipts for awhile at least and may have some reaction, but we still have confidence in the near future and advise operating freely, but carefully.

## CHICAGO MARKETS.

Provisions for the past week have showed more actively and a higher range of prices. On Friday the market got out of the rut it has worked in so long and scored an advance of 30c. per lb.; in pork, 15c. per 100-lbs.; in lard and ribs; January pork opened at 6.77½, 5c. higher than it closed Thursday. The opening proved to be the low price of the day. The Cudahy Packing Company were free buyers, as they have been for several days. Their taking of all offerings frightened the shorts, who rushed in to cover and run the market rapidly up to 7.07½. Above 7.00 the Cudahy Packing Company and John Cudahy (who has lately returned from his vacation) came into the market as sellers and the price declined to 6.92½, closing at that figure, with a gain of 20c. over Thursday's market. Saturday.

(Continued on page 37.)

**HINTS TO PRACTICAL OIL MILLERS WITH REGARD TO PRESS ROOM APPLIANCES AND METHODS. ORDER THE BOOK NOW. BLANK CAN BE FOUND ON PAGE 19.**

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BEEF ALWAYS ON HAND.A NEW  
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Ltd., 133d St. and 13th  
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A SPECIALTY.

**THE HAMMOND COMPANY**

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Chicago Dressed Beef,

Veal, Mutton, Lamb,

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boken, N. J.**N. H. Snyder,** SHIPPER AND DEALER IN  
Standard Provisions  
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Telephone Call:  
3066 Cortlandt.Tongues, Tripe and Pigs' Feet in Vinegar, 25, 50 and 100-lb. Kegs. Hotels and the Trade  
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BUTCHERS**

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DUESSETT BRAND EXTRA OLEO OIL, Stearine, etc.

PROVISIONS,  
POULTRY  
AND GAME,

NEW YORK.

**ICE AND REFRIGERATION.**

Those interested in this subject should not forget to look also at Packers' and Slaughterers' Notes, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

—The Beaumont Ice, Light & Refrigerating Company, Beaumont, Texas, has increased its capital stock to \$100,000. One of the features of this establishment is that it is a strictly local enterprise, every dollar's worth of stock being owned by Beaumont capitalists.

—William M. Freeman has presented a petition bearing the signatures of the majority of the marketmen at Wallabout, to the Board of Aldermen, of Brooklyn, N. Y., asking for a franchise to construct a cold storage plant in or near Wallabout Market at a cost of \$100,000.

—The Spokane Meat Company in Spokane, Washington, has lately adopted a refrigerating system which is now in full working order. The company's steady increase of custom has more than justified the expense incurred in adopting this up-to-date method. The Spokane Meat Company comprises George H. Gilpin, E. H. Steton, Guy L. Lindsay and H. M. Schneider.

—The Orr & Lockett Hardware Company, of Chicago, have built a big refrigerator at a cost of \$1,000 for J. Bredin & Co., of the Sixty-third street grocery and market, in the same city. The refrigerator will require a full car-load of ice at a filling and be in two compartments, one for wholesale and the other for retail purposes. Bredin & Co. are going extensively into wholesaling meats and poultry, and will supply butchers at Stock Yard prices.

—A good story on George Hahn, of Evanston, is going the rounds of the papers. Mr. Hahn is manager of the Garwood Company, Chicago. Mr. Hahn was at his office, and in preparing a cup of coffee for himself had occasion to go to the refrigerator for some cream. As he did so, the door swung shut, making Mr. Hahn a prisoner. He shouted until his words were frozen, and bumped against the sides of the 8x10 ice box like halves of bricks and until he stood up to his knees in the frozen pellets of his frantic eloquence. A tragic end was fortunately averted by Mr. Hahn finding a wrench in the refrigerator with which he knocked a hole in the top of it, through which aperture he poured his screams until he attracted outside aid. Mr. Hahn expects to get warm in about a month provided the supply of blankets and coal holds out.

—A New Orleans paper says the demand for ice in Algiers is now very heavy, and it is found that the supply will soon prove inadequate for the trade. For the past few days the ice company has been drawn on pretty heavily by the Morgan Steamship Company, owing to which the local venders

have been cut short. The Algiers Ice Company has two 10-ton machines, and are running them at full capacity. The supply of ice is said to be running short in the city as well, in fact, applications have been received recently on this side for it.

—Work is well under way on the ice works at Crescent City, Fla. Messrs. Cash & Miller, it is understood, are the ones who propose to back the venture with sufficient capital.

—Seymour & Banker, of Broadalbin, N. Y., proprietors of the Gloversville Ice Company, have given a bill of sale of their business to Philip Smith, of Shakers, N. Y. It is hoped that the outcome of Seymour & Banker's trouble will be favorable to them.

The suit of the Nason Ice Machine Company against W. L. Heermance, of Yonkers, came up in White Plains, N. Y., last week before Judge Chas. H. Leinert, formerly with the Nason Ice Machine Company, now Boston representative of the De La Vergne Refrigerating Machine Company, testified for the plaintiff.

It is reported that an ice plant will be erected at Fitzgerald, Ga., by a Minnesota party.

It is reported that A. M. Wilbur, of Boston, Mass., will commence the erection of an ice plant at Fitzgerald Ga., at once. Address Mr. Wilbur, care of the American Tribune Soldier Colony Company.

An ice and cold storage plant will be erected by T. L. Howard, at Madisonville, Ky. The well is now being drilled for the water supply.

H. E. Clark, O. P. Lowe, and C. F. Grimes have incorporated the Missouri Dairy Company with a capital stock of \$5,000, at Kansas City, Mo.

A site has been bought in Kansas City, Mo., on which to erect a brewery for \$40,000 by the Leisy Brewing Company, of Peoria, Ill.

COMPEND OF MECHANICAL REFRIGERATION, by J. E. Siebel, published by H. S. Rich & Co., Chicago, has just been issued in a second edition. In this book theory and practice of artificial refrigeration are treated in a very complete manner, explaining in a simple and systematic way all the subjects which should be familiar to builders and users of ice machines. Mr. Siebel has long been recognized as an authority in all branches of the manufacture of ice and artificial refrigeration, and is eminently fitted for the task which he accomplished in his book; the same can therefore be well recommended to manufacturers of ice machines as well as to engineers in charge of such machines and to the owners of refrigerating plants. The new edition will certainly find as much favor among interested theoretical and practical men as the first edition did. The book can be had for the sum of \$3 by applying to THE NATIONAL PROVISIONER PUBLISHING CO., 284 Pearl street, New York.

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**P. & B. INSULATING PAPERS** will give better satisfaction and will prove more durable and effective than any others made.

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J. A. & W. Bird & Co.  
117-119 Milk Street.

PHILADELPHIA:  
Standard Supply and  
Equipment Co., 22 S.  
Fifteenth Street.



### BUSINESS CHANGES.

Nathan Fretz, the most extensive horse and cattle dealer of Bucks County, Pa., is dead, at his home in Gardenville, from the effects of a surgical operation for cancer of the jaw and throat, performed at St. Joseph's Hospital, Philadelphia.

Fred E. Jenks, New Haven, Conn., soap, will be succeeded Oct. 1 by the Nealine Co. William Beck, Indianapolis, Ind., meats, has given a chattel mortgage for \$1,200.

Thomas Cronin, Creston, Ia., meat, has given a chattel mortgage for \$4,360.

Thomas Freeman, Boston, Mass., retail provisioner has given a chattel mortgage for \$500.

Charles H. & Edmund R. Lowe, Boston, Mass., retail provisioner, have given a chattel mortgage for \$1,200.

Donat Wiedemann, Cambridgeport, Mass., manufacturer of sausages, has given a chattel mortgage for \$800.



Condenser—Pat. Jan. 24, 1888, and Sept. 23, 1890.

## FACTS.

All Ice Manufacturers know that there are inferior Ice and Refrigerating Machines built.

We stand ready to challenge any builders to show that our machines are as efficient and economical as are offered in the market.

We invite correspondence. Should any contemplative purchasers wish any information, write us and we will cheerfully give it our prompt attention and send illustrated catalogue.

**SULZER-VOGT MACHINE CO.**

LOUISVILLE,  
KY.

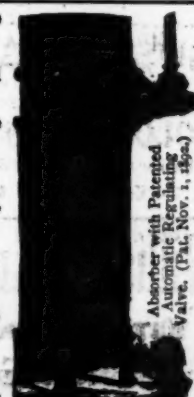
Builders of Latest Improved

Ice and Refrigerating Machines.

ATMOSPHERIC CONDENSERS, COILS, TANKS

FURNISHED FOR ANY MACHINES.

Write for Prices.



Absorber with Patented  
Air and Refrigerating  
Valve. (Pat. Nov. 1, 1894.)



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& CO.**

Manufacturers and  
... Importers of

**Sausage  
Casings**

OF EVERY DESCRIPTION.

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**SPICES.**

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Specialties.**

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Importers of English, Russian and New Zealand Sheep Casings.  
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**SAUSAGE CASINGS**

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Cleaners and Importers of

**Sausage Casings,**

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(Limited).

MANUFACTURERS AND CLEANERS OF PRIME QUALITY

610 West 39th Street, NEW YORK.  
5 Cowcross St., LONDON. 48 Market St., GLASGOW.  
19 St. Andrew St., LIVERPOOL.

Established throughout Great Britain and Germany.

**ONE QUALITY ONLY.**

**Sheep Casings,  
Cattle Cuts,  
Hog Casings.**

**"THE BEST."**

**CASINGS**

**WEIL'S CASING COMPANY,**  
626-630 HOWARD ST., BUFFALO, N. Y.,  
Cleaner of and Dealer in **SAUSAGE CASINGS.**  
Best Spices, Saltpetre and Potato Flour.

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GERMAN, FRENCH, ITALIAN AND  
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**SPICES**

**PLAUT & STRETCH,**  
Importers and Jobbers of SPICES,  
"PURITY SPICE MILLS."  
80 Pearl Street, NEW YORK.  
Supplies for the Packing, Provision and  
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IF QUOTATIONS AND SAMPLES SENT TO ANY ADDRESS.

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CASINGS,**  
134 PEARL STREET, NEW YORK.

ESTABLISHED 1874.

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MANUFACTURER AND DEALER IN ALL KINDS OF

**Kosher Provisions**

LARGEST PLACE OF ITS KIND IN THIS CITY.

318-320 E. Houston St., NEW YORK.

**SALTPETRE KNOWLES BROS.**  
181 Pearl Street, New York.  
CRYSTALS, GRANULATED AND POWDERED.

# WHERE SHALL I ADVERTISE?

**T**o the enterprising merchant  
**H**aving goods he wants to sell—  
**E**ggs or butter, beef or bacon—

**N**ow a "tip" we have to tell.

**A**dvertising is the lever

**T**hat will move the world your way

**I**f you only have the gumption

**O**f just knowing WHAT to say.

**N**ow the point is HOW to say it

**A**s to reach the buyer's mind.

**L**ots of advertising matter

**P**eople often fail to find.

**R**ight in here we fain would mention—

**O**r elsewhere we'd have to tell—

**V**ery few are rightly posted

**I**n the WHEN and WHERE as well.

**S**o just bear in recollection—

**I**f you e'er should be in doubt

**O**f the TIME for advertising—

**N**OW puts FUTURE all to rout.

**E**ven greater in importance

**R**anks the vital question WHERE?

**I**n one line we daren't treat it,

**S**o some further space we'll spare.

**T**HE NATIONAL PROVISIONER

**H**as its readers by the score;

**E**very butcher now must take it,

**P**ackers need it more and more.

**A**nd in it your advertisement—

**P**rovisions or machine—

**E**nters each and every hamlet,

**R**eaches every one I ween.



# SWIFT AND COMPANY, CHICAGO. PACKERS.

SILVER LEAF LARD.  
COMPOUND LARD.  
EXPORT LARD.  
COTOSUET.

PORK AND PROVISIONS.  
LARD OILS.  
NEATSFOOT OILS.  
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MAKERS OF HAND-CLEANED BEEF AND HOG CASINGS.

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## Jersey City Packing Company,

BEEF AND PORK PACKERS. CURERS AND EXPORTERS OF AND DEALERS IN FINE PROVISIONS. REFINERS OF LARD.  
Manufacturers of "White Star" Brand of Lard. "Eagle" Brand of Hams and Breakfast Bacon. "Peerless" Brand Sausages.  
BEEF AND PORK PACKED SPECIALLY FOR ALL CLIMATES.

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PACKERS AND JOBBERS OF  
PROVISIONS

Highest Award, Diploma and Medal, at World's Fair, for Pure Lard, Hams, Bacon, Bbl. Pork, Neutral Lard, Sausages.

PURE LEAF LARD, 3, 5, 10-LB. PAIL TUBS,  
TIERCES.

33 & 34 N. MARKET STREET, BOSTON.  
444, 446 & 448 PRODUCE EXCHANGE, N. Y. CITY.

Try their North Star Brand for something extra choice. Sure to please.

PACKING HOUSE, - SOMERVILLE, MASS.

## FREDERICK BOHNET, GENERAL PROVISION DEALER,

Established 1850.

TELEPHONE, NO. 982 FRANKLIN.

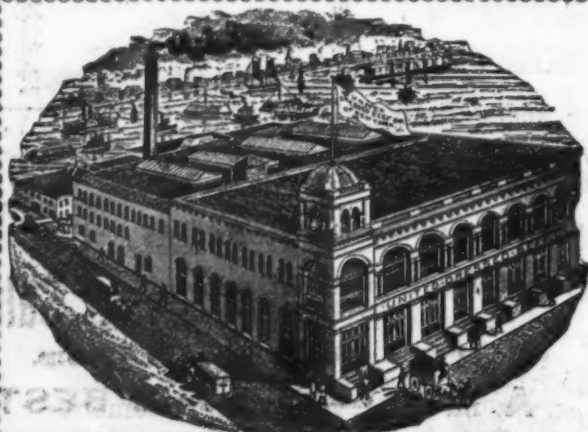
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## John P. Squire & Sons' HAMS AND BACON

ARE THE FINEST IN THE WORLD.

Telephone 282 Franklin. Their process of preparing and curing gives that delicate flavor and beautiful color for which they are noted, and adapts them to any climate or season of the year.  
OUR KETTLE RENDERED LEAF LARD CANNOT BE EXCELLED. . . . 20 Harrison Street, New York.

READ THE  
YELLOW INSERTED SHEET



## The United Dressed Beef Company

Telephone.  
314 38th St.

OF NEW YORK,

Sales Office Telephone, 303 38th St.

PACKERS AND EXPORTERS OF

## BEEF, PLATES, NAVELS, Etc.

HIGHEST PRICES PAID FOR SHOP FAT AND KIDNEY SUET.

Beef Casings, Dried Blood, Fertilizers, Oleo Oils, Stearine,  
Prime City Tallow, Ground Bone, Horns and Cattle Switches,  
Selected Hides. All Grades Salted Beef.

43d & 44th STREETS,  
FIRST AVE. and EAST RIVER, NEW YORK.

ISAAC BLEUMENTHAL, President.  
LEWIS SAMUELS, Treasurer.

ADOLPH BDELMUTH, Vice-President.  
LEWIS A. LONDON, Secretary.

LOOK AT PAGE 47.

**CHICAGO MARKETS.**

(Continued from page 29.)

day the range was very narrow, opened 5c. higher at 6.97½, declined to 6.90, advanced and closed at 6.97½. It was a fine, steady market, but with very little business doing. Monday the market was very much mixed. Hogs at the yards were 5c. higher and receipts only 33,000, instead of 40,000, as estimated. The market opened strong at 7.00, advanced to 7.10, under good buying by some commission houses, notably Robeson, Schwartz, Dupee and Baldwin Farmer, John Cudahy, the International Packing Company and Viles & Robbins, filled their wants and the market declined to 6.95 and looked weak. But in the last hour wheat got very strong and sold up 2c. a bushel, and that carried provisions along, January closing at 7.05. Swift & Co. make heavy purchases of lard and the January option advanced to 3.95, but closed at 3.90, a slight gain over Saturday. Lard has many friends at present prices, for it's relatively the lowest of hog products. The stocks two months ago were very large, but in the past few weeks the shipments have been enormous, and October 1 will show great reductions. The demand still continues, and with pure lard selling ¼c. a pound under prime tallow, there cannot be much risk in buying it. Shipments of lard for the past week, 33,000 tierces, and of meats and lard about 30,000,000 pounds. In one interview with Michael Cudahy, of the Cudahy Packing Company, he is quoted as saying: They have been talking of us of late as provision bulls. In fact we have been selling out of our houses very rapidly and had become cleaned out a little better than expected, and so we thought it wise to take in some hedges. That is the extent of our bullishness just now and will be until we see a better trade from France and Germany, for our heavy meats. They have a good stock of hogs on the other side, our low prices will increase the trade. Exports are large already, as any one can see, from the figures, but it will take some time to get the full benefit of our low prices. Trade is good with the South, but the cotton picking will be early. They are short of corn down there, so they will kill their hogs early, yet the trade with the South will be a good deal larger than last year. I expect lard to do better relatively than pork or ribs. I am rather friendly to it and yet I would hardly declare myself bullish on it at that. Butter exports are large; that means an increased demand for lard. My view is that provisions are low enough for the present, but that any important bull movement should be preceded by a better demand for meats from the other side." There appears to be a very general opinion among the prominent people of the trade that provisions are low enough for the time being, and the next turn should be up. But at present there is nothing in the situation to warrant the belief of a very strong advance. The wheat market is very strong and in spite of bearish news, continues to advance, and that always has more or less in-

fluence on provisions. Tuesday was another quiet day, January pork ranging from 7.00 to 7.10, and closing firm at 7.05. The shipments of meats are good, not only from Chicago, but other points as well. Kansas City reduced her stock during August from 42,775,000 pounds to 26,868,000 pounds. In regard to the number of hogs packed in the West, the summer of 1896, shows a decided gain over 1895. Chicago's increase is 500,000 hogs, Omaha 150,000, Kansas City 135,000, St. Louis 90,000, a total of 875,000 for the four points. Wednesday the market was weak, although the close was but a trifle under Tuesday. It was weak when you take into consideration that wheat was very strong and advanced 2½c. a bushel. October pork was very weak, owing to heavy liquidation. The spread between October and January widening to 1.15. The commission houses were the sellers. John Cudahy was a free seller of January lard. The closing prices are: October pork, 5.95; January, 7.02½; October lard, 3.62½; January, 4.02½; October ribs, 3.17½; January, 3.50.

**CASH PROVISIONS.**

There is a continued good shipping demand, with limited offerings in pickled meats and great scarcity of D. S. Bellies. S. P. 12-pound hams, 9@9½c.; 16 average, 8½@8¾c.; 18 and 20 average, 8¼c.; skinned hams, 9½c.; California hams, 6 average, 4¾c.; 6 and 8 average, 4½c.; 8 and 10 average, 4¼c.; 10 and 12 average, 4¼c.; N. Y. shoulders, 10 and 12 average, 4¾c.; 12 and 14 average, 4¼c.; clear bellies, 8 and 10 average, 6c.; 11 average, 5½c.; 10 and 12 average, 5¼c.; 12 and 14 average, 5c.; 15 average, 4¾c.; 16 average, 4¼c.; D. S. bellies, 22 and 25 average, 3.45; new mess pork, 6.00; old, 5.75; clear fat back, 35 and 40 pieces, 7.25; short cut pork, 6.00; D. S. ex-shorts, 10c. per hundred over Oct. ribs; cash ribs, 10c. over October.

A soap factory has been established in Springfield, Mo., at the corner of Dale street and Washington avenue. A fine quality of washing and toilet soap will be manufactured. The soap is said to possess the quality of removing stains and grease spots. Messrs. Sellers and Barnard are backing the enterprise. Quite a number of men will be employed. Men have been put on the road and the new brand will be brought before the public.

The oil mill, in Dardanelle, Ark., is now so near completion that cotton seed is being purchased, and the mill will begin operations during the present month. The buildings are about completed, and the last shipment of machinery is here ready to be placed in position.

Articles of incorporation have been filed for the Smiley Manufacturing Company of Elkhart, Ind., for the manufacture of tablet gums, glues and chemicals. Hugh G. Smiley, Charles H. Wright and William E. Burris are the incorporators.

ESTABLISHED 1831.

**FOSTER DEBEVOISE,**

(Successor to WM. E. CLARK &amp; BRO.)



164-166 Elizabeth Street, New York.

(TELEPHONE 293 SPRING.)

**Provisions, Cooperage, Etc.**

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Depends on the work it will accomplish. When you see our Register you will note these points:

ATTRACTIVENESS,  
STRENGTH,  
SIMPLICITY,  
RESULTS OBTAINED,  
THE PRICE, \$15.00,

WITH A GUARANTEE  
FOR FIVE YEARS.



The customer gets a bill; cashier or spindle a duplicate; third record locked up inside; all done at one writing. Catalogue explains it all.

**Baxter Bros. & Co.**

340 Dearborn Street,  
CHICAGO.

BEWARE OF IMITATIONS.

A fertilizer factory has been established by the Jackson Fertilizer Company, at Jackson, Tenn.

**PACKERS AND SAUSAGE MAKERS SHOULD USE**

RUDOLPH GEBHARD'S  
BERLINER

**Preserving Salt**

For Preserving All Kinds of Sausage.

PRACTICAL MEATMEN  
PRONOUNCE IT

**THE BEST**

Would be pleased to have you write us for our circulars, which will be of interest to every Packer and Sausage Maker.

**B. HELLER & CO.**

249-251-253 SOUTH JEFFERSON ST.,

CHICAGO, U. S. A.

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The General Agents for the  
United States and Canada.



**SWIFT'S****Chicago Dressed  
BEEF, MUTTON, LAMB, VEAL, PORK**

AND A FULL LINE OF

**SWIFT'S FINE PROVISIONS**G. F. and E. C. SWIFT, Proprietors.  
General Offices, 105 Barclay St., N. Y.Can be had at our branch houses in New  
York, Brooklyn and Jersey City.**BRANCH HOUSES:  
NEW YORK.**G. F. & E. C. Swift, 105 Barclay st.  
Gansevoort Beef Co., 25 and 34 10th ave.  
Washington Market Sheep Co., W. Washington Market.  
Swift Provision Co., Cor. 19th st. and 10th ave.  
G. F. Swift & Co., Manhattan Market (W. 34th st.).  
Swift Sheep & Poultry Co., 11th ave., 34th and 35th sts.  
North River Beef Co., Foot W. 34th st.  
Riverside Beef Co., 130th St. and 12th ave.  
Swift Brothers, 709 and 711 Westchester ave.  
Harlem Beef Co., Foot East 127th st.  
Murray Hill Beef Co., Foot East 131st st.  
Centre Market Beef Co., Cor. Centre and Grand sts.**BROOKLYN.**Swift Brothers, 125 and 124 Fort Greene place.  
Ft. Greene Sheep & Provision Co., 172 Ft. Greene place.  
Williamsburgh Beef Co., 100 and 102 N. 6th st.  
Brooklyn Beef Co., 74 and 76 Atlantic ave.**JERSEY CITY.**Jersey City Beef Co., 128 9th st.  
Hudson Beef Co., Cor. Grove and Wayne sts.**THE CUDAHY PACKING CO.**Packers of **REX BRAND**

PROVISIONS, CANNED GOODS AND BEEF EXTRACT.

**SHOPPERS OF CHOICE**Dressed Beef, Hogs, Sheep, Calves, Beef and Pork Cuts, and all  
kinds of Tripe and Sausages.**ALSO MANUFACTURERS OF BUTTERINE.**HARRISBURG, PA.,  
OPERATED BY  
HARRISBURG PROVISION CO.

LIVERPOOL, ENG.

**PACKING HOUSES.**SOUTH OMAHA, NEB. CHICAGO, ILL.  
SIOUX CITY, IA. LOS ANGELES, CAL.**BRANCH HOUSES.**The Cudahy Packing Co., Manhattan Market, New York.  
" " " " Manhattanville " "  
" " " " Ft. Greene Place, Brooklyn.  
" " " " 1 Blackstone St., Boston, Mass.  
" " " " Clinton Market, " "  
" " " " Worcester, Mass.  
" " " " Fall River, " "  
" " " " Pittsburg, Pa.  
Holmes' Provision Co., Holyoke, Mass.  
Nashua Beef Co., " Nashua, " "  
Lee & Hoyt, " New Haven, Conn.  
McElroy Bros., " Bridgeport, " "  
Omaha Beef Co., " Danbury, " "  
Waterbury Beef Co., " Waterbury, " "  
W. W. Coates & Co., " Providence, R. I.  
A. M. Warthman Co., " Philadelphia, Pa.

WICHITA, KAS.

NEW YORK CITY.

**THE JACOB DOLD PACKING CO.**

BUFFALO, N. Y.

WHOLESALE.

KANSAS CITY, MO.

CURERS OF THE HIGHLY  
CELEBRATED  
"WESTPHALIA"

BRAND OF

Sugar Cured Hams,  
Shoulders and Bacon.**PORK AND BEEF PACKERS**

THE "BUFFALO" BRAND OF

**Canned Meats and Delicacies:**MANUFACTURERS OF THE  
ONLY GENUINE**WHITE ROSE****BRAND LARD,**Guaranteed Absolutely Pure  
Hog Product.

Corned Beef, Roast Beef, Ox Tongue, Lunch Tongue, Potted Ham, Devilled Ham, Chipped Beef, Fine English Brawn.

Once tried, your trade will always ask for "Dold's" Canned Meats.

These goods stand unsurpassed for Quality, Color and Flavor.

**THE ONLY HOUSE IN BUFFALO PRODUCING GOVERNMENT-INSPECTED MEATS.**OLEO OIL, LARD OIL, HOG AND BEEF CASINGS,  
NEATSFOOT OIL, BLOOD, TANKAGE, TALLOW, HIDES.

OUR AIM IS TO PLEASE AND SUIT THE TRADE.

SPECIAL ATTENTION PAID TO FOREIGN TRADE.

**ANGLO-AMERICAN PROVISION COMPANY, CHICAGO  
FOWLER BROS. (LIMITED), NEW YORK AND LIVERPOOL.**

Pork Packers, Lard Refiners and Sausage Makers.

SOLE PROPRIETORS

OF THE UNRIVALED AND JUSTLY  
CELEBRATED

BRANDS OF MEATS AND LARD.

Delmonico Peach and Cherry Brands  
OF SMOKED MEATS.Peach Leaf Lard. Apricot Lard.  
ROYAL LILY COMPOUND.

Agents in most of the principal cities in the United States. Correspondence solicited.

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SUMMER SAUSAGE WORKS.

**A. L. LUETGERT,**

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MANUFACTURER OF ALL KINDS OF CHICAGO, ILL.

GERMAN,  
ITALIAN  
FRENCH**SAUSAGES****HENRY LINDENMEYR  
& SONS,**31-37 EAST HOUSTON STREET, NEW YORK,  
20 BECKMAN STREET,

Have on hand strictly first-class imported

**PARCHMENT PAPER**24 x 38, 25 and 30 lb.; low prices quoted on  
application. All kinds of Paper in stock  
for the Packing and kindred trades.**GEORGE W. PRICE,** 43 and 44 City Market  
TRENTON, N. J.

Summer Sausage Bologna.

Prepared Ham and Beef, Scrapple and  
Breakfast Bacon, Liver Pudding,  
Boneless Ham and Dried Beef.No adulterations used in any of our pro-  
ductions.

## NEW YORK CITY ITEMS.

\*\* Two well known butchers of Wallabout Market, Brooklyn, Messrs. Henry Elsner and Robert Keil, started in business last week at 201 Wallabout Market, handling provisions of every description. From their long experience in the business, patrons may be well assured that nothing but the best meats are handled. Their own make of sausages, bologna, etc., are admitted to be among the best in the market. They solicit a share of the patronage of the trade and make a specialty of smoked meats.

\*\* Messrs. Augerer & Wassmer have succeeded to the old established butcher fixture business of the late O. Velle, Flushing avenue, Brooklyn, and intend doing a more extensive business in that line. Many alterations have already been made.

\*\* At George's meat market, 455 West Thirty-ninth street, recently opened, the proprietor reports that business has exceeded his expectations up to the present time.

\*\* The Annex Beef Co., of 528 Second avenue, was opened on Saturday last, and did a remarkably good business that day, the proprietor advertising the gift of a souvenir to all purchasers.

\*\* There are rumors of impending changes in one of the small stock slaughtering concerns in the city.

\*\* The next regular meeting of the New York Butchers' Mutual Protective Association will be held in Retail Grocers' Hall, in Fifty-seventh street, between Lexington and Third avenues, next Monday evening, Sept. 28.

\*\* There is unanimous commendation by the retail butchers of the conduct of President Isaac Blumenthal, of the United Dressed Beef Co., in promptly discontinuing buying fat and calfskins from the Siegel-Cooper Co. when he learned that such action was not looked upon with favor. A prominent officer of the Retail Butchers' Association said to me, "Mr. Blumenthal has acted very gentlemanly in the matter and has done all that he possibly could do."

\*\* The Board of Health Inspectors during the past week condemned 7,525 lb of beef; 2,570 lb veal; 560 lb mutton; 16,225 lb hogs; 2,500 lb poultry and 20 lb livers; in all 29,400 lb. This is a less quantity than that of the previous week, when there were condemned 31,946 lb.

\*\* A man who was believed to be Lewis Reid, of 63 Hudson street, Hoboken, and a member of the firm of Reid & Co., wholesale butchers of Washington Market, New York, was killed last Sunday night by a trolley car in Broad street, Newark.

## DO YOU KNOW

THE COMMERCIAL VALUE  
OF YOUR

BLOOD  
TANKAGE  
SCRAP

and other Fertilizer Materials? You can only ascertain this by analysis. We make a specialty of such work. Send for price list.

ROBERT GANZ & CO.,  
284 PEARL ST., NEW YORK.

## NEW YORK MARKETS.

## LIVE CATTLE.

The market all the week has been rather favorable to the selling interests, the light supply at other points having a favorable effect. Good to choice stock was rather scarce, the bulk of the offerings being common to medium. We quote:

Choice to extra steers.....	4 40 a 4 75
Medium to fair steers.....	4 05 a 4 35
Common steers.....	3 40 a 3 90
Texas and rangers, good to choice.....	3 60 a 3 95
Texas and rangers, common to fair.....	2 90 a 3 40

Texas and Rangers, common to fair, 2.90@3.40. Latest cables quote American steers selling at 10½@11½c, dressed weight. American sheep slow at 9@9½c, dressed weight. Refrigerated beef unchanged, 8½@9½c.

## DRESSED BEEF.

There was a slow trading on all grades of beef during the week. Receipts both of city slaughtered and Western were less than previous, as some of the firms had carried beef orders from last week. We quote:

Choice Native, heavy.....	7½ a 8
" light.....	7½ a 7¾
Common to fair Native.....	6½ a 7
Choice Western, heavy.....	7 a 7½
" light.....	6½ a 6¾
Good to prime Texan.....	5½ a 6
Common to fair Texan.....	4½ a 5½
Good to choice Heifers.....	5½ a 5¾
Common to fair Heifers.....	4½ a 5
Choice Cows.....	5 a 5½
Common to fair Cows.....	3½ a 4½
Good to choice Oxen and Stags.....	5½ a 6
Common to fair Oxen and Stags.....	4 a 5
Choice Bulls.....	4 a 4½
Common Bulls and Cows for Bologna.....	2½ a 3½

## LIVE SHEEP AND LAMBS.

At the opening, prices took a sharp turn, owing to light receipts, and held firm until near the close, when slight concessions had to be made. The most gain was on lambs. The quality of the stock at hand was medium to good. We quote:

Good to choice sheep.....	3 40 a 3 62½
Common to medium sheep.....	2 20 a 3 10
Good to choice lambs.....	5 50 a 5 75
Common to medium lambs.....	4 00 a 5 20

## DRESSED SHEEP AND LAMBS.

The trading was slow all the week. Prices show somewhat of an improvement, while the receipts were light, especially of lambs. We quote:

Good to choice sheep.....	6 a 6½
Common to medium sheep.....	5 a 5½
Good to choice lambs.....	9 a 10
Common to medium lambs.....	7½ a 8½
Yearlings.....	6 a 7½

## LIVE CALVES.

A fair market was noticeable all the week on everything offered. Western calves were in light supply and show the most gain. We quote:

Choice veals.....	7½ a 7¾
Common to medium veals.....	4 50 a 6 75
Grassers and Buttermilks.....	2 50 a 3 25
Westerns, heavy.....	3 00 a 3 60
" light.....	4 25 a 5 10

## LIVE HOGS.

There was a better feeling all the week on live hogs, as the cool weather made a better demand for the dressed article. We quote:

Hogs, heavy.....	3 40 a 3 70
Hogs, light.....	3 75 a 3 95
Pigs.....	4 10 a 4 40
Roughs.....	3 10 a 3 25

## DRESSED HOGS.

Heavy receipts of local dressed hogs and large supplies of Western had a depressing

effect on prices, so that at the close quite a loss was to be noticed. We quote:

Hogs, heavy.....	4½ a 4¾
Medium to light hogs.....	5 a 5½
Pigs.....	5½ a 6½

## DRESSED CALVES.

Outside of a few choice State veals all other grades show a falling off in prices. Quite a number of heavy Western dressed were offered and to close them out, salesmen had to take low offers. We quote:

Choice veals.....	11 a 12
Common to medium Veals.....	8½ a 10½
Grassers and Buttermilks.....	5 a 6½
Western heavy.....	5 a 6½

## LIVE POULTRY.

The week has been one of fair receipts, while prices ruled steady throughout. Fowl sold readily on each market day. We quote:

Chickens, local, per lb.....	8½ a 8¾
" Western, per lb.....	7½ a 8
" Southern, ".....	7½ a 7¾
Fowls, local, per lb.....	9 a 9½
" Western, per lb.....	8½ a 9
" Southern ".....	8 a 8½
Roosters, old, per lb.....	5 a 5½

## DUMRAUF &amp; WICKE,

Manufacturers of

BUTCHERS'  
FIXTURES and  
ICE HOUSES

of every description.  
Fish Markets Fitted Up.

Tools always on hand.

SHEET IRON  
SMOKE HOUSES.

338 &amp; 340 East 102d St., NEW YORK.

## CHARLES MILLER,

MANUFACTURER OF

BUTCHERS' FIXTURES  
Boxes, Tools, Etc.

Ice Houses for all purposes.

Fish and Oyster Markets fitted up.

All Orders Promptly Attended to.

505 West 45th St., New York.

THIS IS  
not A LARD PACKAGE

## It is a Butter Package.

But our LARD PACKAGES are just as thoroughly well made, and from just as high grade stock. Order a car of them and be convinced, or at least give us a chance to quote you prices.

## Creamery Package Mfg. Co.,

1-3-5 W. Washington St.,

CHICAGO, ILL.





**WM. R. PERRIN & CO.**

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AND  
BUILDERS  
OF  
PACKING  
HOUSES.

**J. G. GLOVER, Architect.**



J. G. GLOVER, ARCHITECT  
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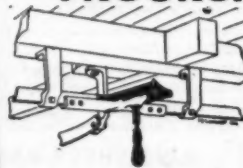
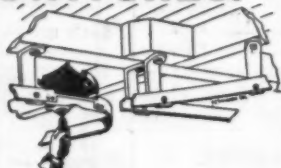
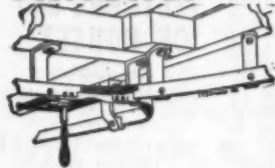
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Furnished in shape to obtain  
competitive bids, thus saving  
time and money.

186 Remsen St., BROOKLYN, N. Y.

Correspondence Invited.

**TRACKS. ~ SWITCHES. ~ TRUCKS.**



CORRESPONDENCE SOLICITED.  
REFER TO ALL FORMER CUSTOMERS.

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MANUFACTURERS

Ice Machines put in on approval.

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Rooms 407-408.

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**Overhead Trackage System  
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OFFICES,

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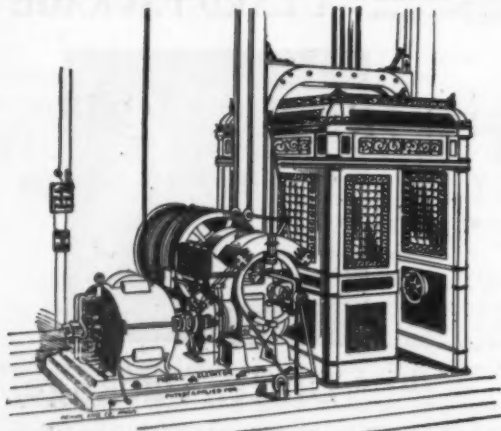
82 Church Street, New Haven.

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**CIMETER BLADE STEAK KNIFE.**

Per Doz.

No. 010—10 inch, - \$9.50

No. 012—12 inch, - 15.00

No. 014—14 inch, - 21.00

No. 016—16 inch, - 27.00

We will send one or more of these Steak Knives to any Marketman or Butcher in the United States or Canada, Express prepaid, on receipt of list price. SEND FOR CATALOGUE FREE.

KNIVES, CLEAVERS AND STEELS.

CUTLERS TO THE AMERICAN BUTCHERS.

NICHOLS BROS., Greenfield, Mass.



**MINERAL WOOL**

Best and Cheapest  
Insulator for

**COLD STORAGE**

—AND—

**ICE HOUSES.**

Samples and Circulars Free.

**U. S. MINERAL WOOL CO.**

2 CORTLANDT STREET, NEW YORK.

**WESTERN MINERAL WOOL CO**  
Cleveland, Ohio and Chicago, Ill.



**THE ONLY REALLY  
AIR-TIGHT DOOR MADE.**

Aside from all its other merits, its easy opening and closing is enough and will save its cost in a few weeks in any busy meat market or storage house.

Write for Circular with Diagrams and Photo-Illustration.

**Refrigerating Machine Paint**



We guarantee this paint to preserve the cooling pipes, coils, etc. absolutely against rusting.

**HIGHLY RECOMMENDED. USE IT  
AND SAVE BIG MONEY.**

**ERNECKE & SALMSTEIN,**

300 South Clinton Street, Chicago.

IF you have anything to

**BUY OR SELL**

USE OUR

Little Transient Ads.

Turkeys.....	9	a 9%
Ducks, local, per pair.....	63	a 75
" Western, ".....	60	a 70
" Southern, ".....	60	a 80
Geese, local per pair.....	1 25	a 1 50
" Western, ".....	1 12	a 1 37
" Southern, ".....	1	a 1 00
Pigeons, old, per pair.....	25	a
" young, ".....	20	a 20

## DRESSED POULTRY.

The cool weather has made an improvement in the demand for dressed poultry consequently dealers were enabled to advance prices on almost everything. We quote:

Turkeys, mixed weights, per lb.....	10	a 12%
"    young, dry-picked, ".....	14	a 14%
"    "    scalded, ".....	12	a 14
"    "    inferior, ".....	8	a 9%
Spring Chickens, Philadelphia, selected.....	14	a 15
"    "    "    poor to good, lb.....	11	a 13
"    Pennsylvania.....	11	a 14
"    West'n, d. p., good to choice.....	10	a 10%
"    "    "    inferior.....	8%	a 9
Fowls, Western, dry-picked, choice.....	10	a 10%
"    "    scalded, choice.....	9	a 9%
Old Cocks, per lb.....	5%	a 6
Ducks, Eastern, per lb.....	12	a 13
"    Long Island, per lb.....	12%	a 13%
"    Penn. and Va., per lb.....	9	a 12
"    Western, per lb.....	10	a 10

## PROVISIONS.

### JOBGING TRADE.

Smoked hams, 10 to 12 lbs. average.....	10% a	11
" " 14 to 16 " " .....	10 a	10%
" " 18 lbs and over.....	9% a	10
California hams, smoked.....	6% a	7%
New York cut shoulders, smoked.....	4% a	5
Boneless bacon.....	7% a	8%
Bacon (rib in).....	7% a	8
Pickled hams, light.....	9% a	9%
" " heavy.....	9 a	9%
" bellies, light.....	6% a	7
" " heavy.....	6% a	6
" California hams.....	5 a	6
Dry salted bellies, heavy.....	nominal.	
" " light.....		
Fat backs, 40 to 45.....	4% a	5
" " 30 to 35.....	4 a	4%
" " 20 to 25.....	3% a	4
Pork loins.....	7% a	8%
Spare ribs, per ctn.....	10 60	12 00

### GREEN CALF SKINS.

No. 1. Veals under 9 lbs .....	11
No. 2. Veals (cut), under 9 lbs. ....	09
No. 1. Buttermilks, under 9 lbs. ....	09
No. 2. Buttermilks (cut), under 9 lbs .....	09
No. 1. Buttermilk Kips .....	1.25
No. 2. Buttermilk Kips (cut) .....	1.00
No. 1. Heavy Veal Kips .....	18 to 1.80
No. 2. Light Veal Kips .....	14 to 1.25
No. 1. Heavy Veal Kips .....	1.25
Branded Skins, light and heavy .....	60 to 75

## BUTCHERS' FAT.

Rough butcher's fat.....	1½
Inferior.....	1
*Suet.....	2½
Shop bones (per cwt.).....	15 a 25

### SAUSAGE CASINGS.

Sheep, English, wide per keg.	32	00
" " per $\frac{1}{4}$ keg.	17	80
" " medium, per keg.	25	00
" Australian, per lb.	30	40
" New Zealand, wide	30	40
" domestic, per keg.	20	00
Hog, American, tcs, per lb.	14	14
" " bbls, per lb.	14	14
" " $\frac{1}{2}$ bbls, per lb.	15	15
" " kegs, per lb.	16	16
Beef guts, rounds, per set.	12	00
" " per lb.	3 $\frac{1}{4}$	3 $\frac{1}{4}$
" " bungs, per piece.	5	6
" " per lb.	4	5
" " middles, per set.	35	00
" " per lb.	6	4
" " wasands, per 1,000	4 $\frac{1}{2}$	per 100

## THE GLUE MARKET.

The glue market is dull, and no unusual conditions are to be reported. Stock is scarce and packers and manufacturers are firm in their demands. Low grade bone and foot makes are easier in tone. We expect better prices for higher grades. We quote:

Prices per hundred pounds.	
1 Extra, white	29c
1 Extra	18c
"	18c
1 X	16c
"	16c
1 Hide, brown	13c
1 "	13c
1 "	12c
1 Bone	10c
1 "	9c
2 "	7c

### BONES, HOOFES, HAIR AND HORNS.

Good country hide cuttings per lb.....	1½ a 2
Hides, green.....	¾ a 1
" dry.....	3½ a 3¾
Bones, dry and clean, 2000 lbs.....	14 00
Bones, flat shin.....	45 00
Domestic tail hair, clean.....	18 00 a 20 00
" mane hair.....	12 14
Horns, mixed.....	35 40
" fair.....	80 00 90 00
" selected.....	100 00 a 150 00
Hoofs, fair to good.....	24 00 a 25 00
Cattle tails.....	3½ a 3¾
Gunstock.....	1½ a 2½

## THE FERTILIZER MARKET.

Farmers seem still to be suffering from the effects of over-production, and preposterous as it seems to be, from too large crops. They are realizing very small money for their large stock; nevertheless there is a better demand in the fertilizer market, and we expect we will have somewhat higher prices. We quote:

Ground Blood.....	Chicago	\$1.35	\$1.37	f.o.b. Aug., Sept.
"	"	1.50	"	Oct.
Concentrated Tankage,"	"	1.25	1.30	"
8 and 20 Crushed "	"	11.00	11.50	"
9 and 20 "	"	13.00	14.00	"

We quote:

### The New York Market.

Blood, f. o. b., Kansas City & Chicago ...	1.39 3/4	a 1.95
Blood, high grade, W., 16 per cent. per unit.....	1.67 3/4	a 1.70
Blood, New York soft red, 12 to 14 per cent. per unit.....	1.60	a 1.65
Concentrated tankage, 14 to 15 per cent. per unit.....	1.57 3/4	a 1.60
Concentrated tankage, 14 to 16 per cent. per unit, f. o. b. Chicago .....	1.27 3/4	a 1.30
Azotine, del. New York .....	1.65	a 1.70
Wool meal, per unit.....	1.66	a 1.67 3/4
Tankage, crushed, 9 per cent. and 20 per cent. grade, per ton, Kansas City.....	11.00	a 11.50

# FERTILIZER.

## EXPERTS

**ANALYSES OF ANY PRODUCT.  
THE NATIONAL PROVISIONER AN-  
ALYTICAL LABORATORY,  
284 Pearl Street, New York.**

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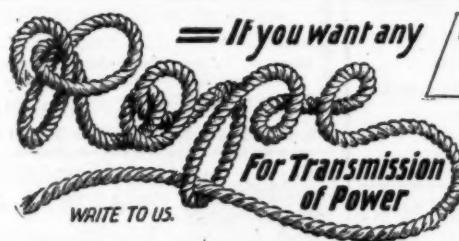
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**Wells Drilled Through Rock by Steam Power.  
Soundings for Sewers, Foundations and Bridges.**

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BOSTON, MASS.**

**SEE COUPON ON PAGE 27.**



*We have furnished Rope for  
some of the largest Drives  
in the country.*

**H. CHANNON  
COMPANY,**  
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## GENERAL PURPOSE HYDRAULIC PRESS.

**ALL SIZES:**

**WE ALSO MANUFACTURE**

## PRESSES FOR . . .

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**NEW YORK AND CHICAGO.**

**THE PACKERS' HAND BOOK.**  
 Is indispensable in every progressive packing house. See particulars, page 47. Order Blank for same, page 27.

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 Broker in Packing House Products, Oils,  
 Grease, Tallow, Fertilizers, etc.,  
**PROVISIONS.**  
 45 North Market St., Boston, Mass., U.S.A.  
*Correspondence Solicited.*

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**Provision Broker,**  
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**NEW YORK.**

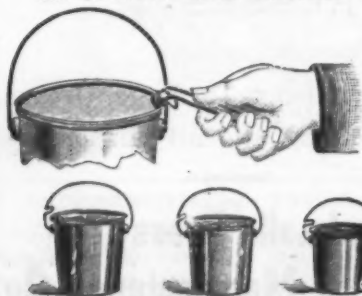
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 COMMISSION MERCHANT AND BROKER IN  
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**Glues, Bone, Boneblack, Tallow, Etc.**  
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 DEALERS IN  
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 Norfolk, Chicago, Kansas City and Hamburg, Ger.

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 No Summer Cover Needed.



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*Export Broker.*

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INCORPORATED 1893.

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**ROBERT L. WENDLER,**  
 BROKERAGE AND COMMISSION,  
 Fertilizing Material, Tallow, Grease,  
 AND PACKING HOUSE PRODUCTS GENERALLY.  
**72 BOARD OF TRADE.**  
**CHICAGO, ILL.**

**RICHARD MCCARTNEY,**  
 BROKER, PACKER HIDES,  
 Stearine, Tallow, Sheepskins, Cottonseed Oil,  
 Fertilizing Materials, Bones, etc.  
*Correspondence solicited.*  
*Information cheerfully given.* **Kansas City, Mo.**



Our Electric Welded Wire-Hoop Packages have no equal. Made of tasteless and odorless wood.

Pat. March 24th, 1891, and April 10th, 1894.

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 Manufacturers of Wooden Ware,  
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NONE AS GOOD OR HANDSOME AS

**The Acme Lard Pail**

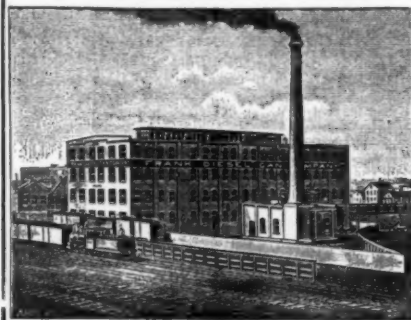
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Used by all the Leading Packers and Butchers.

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 Milwaukee, Wis.



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 PLAIN AND DECORATED.  
*Tin Cans and Sheet Metal Work of all kinds.*

STEWART AVENUE,  
 Bet. 39th and 40th Streets **CHICAGO, ILL.**

**Index to Ads. on Page 3.**

**ILLINOIS**  
**CASING COMPANY,**  
 MANUFACTURERS OF  
**LARD PAILS**  
 AND **CANS**

Superior Goods, Correct Coloring and  
 Artistic Designing.

**STENCIL and LITHOGRAPH WORK A SPECIALTY.**

Our Pails and Cans are the best in  
 the market.

Write for Prices and Catalogue.

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*Analytical Chemists,*  
 1224-1228 Rookery Bldg., **CHICAGO.**  
 General Analysis of Fertilizers and  
 Packing House Products.  
 Telephone, HARRISON 198. ASSAY OFFICE.

Tankage crushed, 9 per cent. and 20 per cent grade, per ton, Chicago.....	11.00	a	14.50
Tankage, crushed, 7 per cent. and 20 per cent grade, per ton, del'd.....	17.00	a	17.50
Bone meal, per ton, ".....	22.50	a	22.50
Bones, rough, per ton, ".....	14.00	a	15.00
Fish scrap, dried, f. o. b. factory, per ton.....	17.00	a	18.00
Fish scrap, acidulated, f. o. b. factory, per ton.....	9.00	a	9.25
Cottonseed meal per ton.....	18.50	a	19.00
Garbage tankage, ammonia, 5½ per cent. phosphate, 8 per cent., per ton, del'd.....	10.50	a	11.00
Sulphate of ammonia, guaranteed 25 per cent., per 100 lbs.....	2.30	a	2.35
Nitrate of soda, per 100 lbs.....	1.77½	a	1.87½
Florida phosphate, per 2,240 lbs., per unit	\$	a	\$½
South Carolina phosphate, f. o. b. Charleston, per 2,240 lbs.....	3.00	a	3.50

## SPICES.

	Whole.	Ground
Pepper, Sing. Black.....	6½	7½
" " White.....	10	11
" " Red Zanzibar.....	15	20
" " Shot.....	8	
Allspice.....	7	9
Coriander.....	4	6
Cloves.....	10	18
Mace.....	45	65
Nutmegs, 110s.....	50	
Ginger, Jamaica.....	20	24
" " African.....	10	13
Sage Leaf.....	12	15
" " Rubbed.....	12	
Marjoram.....	25	

## STEARINES.

Lard, city.....	4¾ a
Lard, Western.....	4¾ a
Oleo, New York.....	4¾ a
Oleo, West.....	4¾ a
White grease.....	3¾
Yellow grease.....	3¾

## LARD PRODUCTS.

Lard, refined, Continent.....	\$4.45
Lard, refined, So. America.....	4.80
Lard, refined, Brazil (40 lb. kegs).....	5.90
Lard, neutral, Western, here.....	4¾ a 4¾
Lard, neutral, West.....	4¾
Lard, compound, city.....	3¾ a 4
Lard, compound, Western.....	4 a 4¾
Lard, compound, job lots.....	4¾ a 4¾

## SALT.

Eureka.....	2 00 a 2 10
English factory filled.....	1 00 a 1 10
"Brighton" in bbls.....	3 10
Liverpool, ground.....	57½ a 62½
Domestic.....	50 a 55
Domestic, fine, in sacks.....	75 a 85
Turke' Island.....	22 a 25
Lump salt, per ton.....	12 00 a 12 50

## GREASES.

Brown.....	2½ a 2¾
Yellow.....	2¾ a 3¾
White.....	3¾ a 3¾
House.....	2½ a 3

## CHEMICALS AND SOAP MAKERS' SUPPLIES.

74 per cent. caustic soda, 2½ for 60 per cent.; 77 per cent. caustic soda, 2.25 for 60 per cent.; 60 per cent. caustic soda, 2.40 lb; 98 per cent. powdered caustic soda, 4c. lb; sal soda, 70c. per 100 lb; pearlash, 5½c. lb; caustic potash, drums, 600 lb, 5½c.; small drums, 6¾c.; borax, 6¾c. lb; talc, 1¾c. lb; Cochin coconut oil, 5¼ cts. lb.; Ceylon coconut oil, 5¾c. lb; palm oil, 4½c. lb, casks; yellow olive oil, 55c. gallon; green olive oil, 50c. gallon; green olive oil foots, 4½c. lb; cottonseed oil, 25c. gallon; cottonseed soap stock, 1c. lb; rosin, \$2@2.70 per 280 lb.

## THE PACKERS' HAND BOOK.

Is indispensable in every progressive packing house. See particulars, page 47. Order Blank for same, page 27.

RESERVED FOR

**Chas. Roesch & Sons,**  
SLAUGHTERERS,  
PACKERS and  
PROVISIONERS.

834, 836 &amp; 838 North Second St.,

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TALLOW, HIDES, FERTILIZER &amp;c

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HOTEL and  
STEAMSHIP **SUPPLIES**

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**THE CHAMPION  
FAT CUTTING MACHINE**

Cuts 100 lbs. per minute uniformly. Reduces Crackling Cake 6 per cent.  
**HAS STOOD ALL TESTS.**

MADE ONLY BY

**JOHN B. ADT,**

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For the Preservation of all kinds of Food Products, Milk, Cream and Butter. Fish, Flesh or Fowl, Fruits and Vegetables without the use of ice or any other preservative.

**CALLERINE**  
WILL PRESERVE MEATS OF ALL KINDS.

**WE GUARANTEE** CALLERINE to be entirely free from Salicylic, Boracic or Benzoic Acid, Coal Tar Products or any Salt or Compound of the same.

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I. L. NEWMAN, 6 S. HOWARD STREET, BALTIMORE, MD.  
CALLERINE MFG. CO., 34 W. Chestnut St., Lancaster, Pa.

**THE CALLERINE MANUFACTURING COMPANY,**  
612 ARCH STREET, PHILADELPHIA.

## Certificate of Analysis.

New York, July 1, 1896.

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612 Arch Street, Philadelphia, Pa.

Dear Sirs:—We have analyzed and tested the preserving fluid called "CALLERINE," and have found it to be an excellent and effective preservative for food of all kinds and to be free from harmful ingredients, and we therefore gladly endorse the use of same.

Respectfully,

THE NATIONAL PROVISIONER ANALYTICAL LABORATORY.  
H. E. Stillreke, Ph.D., Chief Chemist.

SAMPLES AND CIRCULARS FREE ON APPLICATION.





THE BEST AND SIMPLEST APPARATUS

— FOR —

## DRYING SCRAP.

ADDRESS, FOR FURTHER DETAILS,

The Empire Laundry Machinery Co.

SODEN ST., CAMBRIDGEPORT, MASS.

### Pointers and Directions for Using Our Extractors in Wholesale Packing and Slaughter Houses.

The word "scrap" means dry tankage, or refuse, and the process given is to prepare it for a fertilizer for the market.

1. What amount of raw material will the Extractor take at one time? Answer.—Three-quarter barrel of scrap, or tankage, which weighs from 250 to 300 lb per load.

2. What percentage of moisture remains after it has been acted upon? Answer.—About 12 per cent. of water.

3. What amount of grease is left in the stuff? Answer.—None, or less than 1 per cent., and if thoroughly washed with warm water, none whatever.

4. How long does it require? Answer.—Fifteen to twenty minutes.

5. What power to drive the Extractor? Answer.—From three to four horse-power to start it. When it is at its momentum it releases itself.

6. Will it dry the material; that is, the scrap or tankage? Answer.—No. But it will lessen the time of drying in Steam Cylinder Dryer. And as we have stated in question No. 3, if thoroughly washed, it can be done in less than twenty minutes. No Press is necessary when using the Extractor.

How is the grease saved? Answer.—Run the water and grease into a wooden tank below, and skim off the grease as it settles on top of the water.

8. How is the Extractor operated? Answer.—Fill it with scrap. Then turn on hot water from pipe above and stir until thoroughly mixed, then cover and start the machine, running fifteen minutes. If necessary stop the machine and add a second supply of hot water, until the operator is convinced that all the grease is thoroughly washed out of the scrap. Remove the scrap to the Cylinder Steam Dryer. Keep it in the same until it is thoroughly dried and the particles will not cling to each other.

The secret of perfect success in preparing scrap, or tankage, for fertilizing purposes is, thorough washing with very hot water in the Extractor.

9. Cost of Extractor? Answer.—\$350.00 F. O. B., Boston, Mass.

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OF THE

GENUINE PRESERVATIVE

BEAR THIS TRADE MARK.

ESTABLISHED 1877.



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GENUINE PRESERVATIVE.

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NO

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# PRESERVATIVE

IS THE

THERE IS

NOTHING AS GOOD

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PRESERVATIVE!

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THE ONLY

Healthful and Reliable Preserving Powder for Meats of All Kinds.

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"A" for Pork and Liver Sausages, Chopped Meat, Fresh Meats, Game, Poultry, Sweetbreads, etc.

"B" for Bologna, Frankfurter and All Kinds of Smoked Sausages.

"C" for curing, corning and preserving Pork, Beef, Tongues, etc., and to prevent Flies and Skippers attacking Meats.

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is not enough. The butcher who wishes to build up a big trade must have a nicely furnished shop. The man who has

### An Up-to-date Shop

will get the up-to-date trade. Customers like to see attractive refrigerators, modern machinery and handy tools.

### All Butcher Fixtures

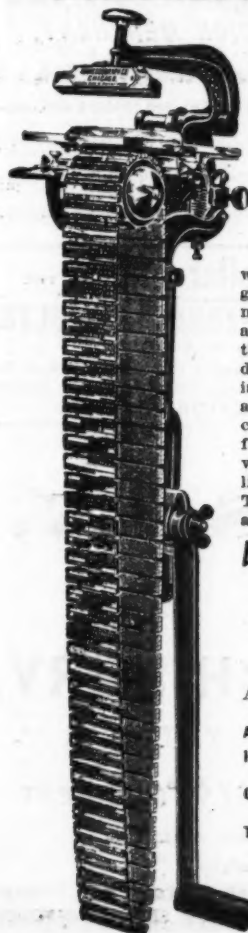
of the latest and best make, as well as refrigerators and tools, are manufactured by

**T. FARRELL,**  
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Of the Meat and Provision Trades—7,000 Names. See page 47. Order Blank, page 27.

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PER HOUR**

AT A COST OF

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THOUSAND**

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Endorsed by  
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**International & Wells  
Packing Co., Chicago.**  
**Cleveland Provision Co.  
Cleveland, Ohio.**  
**T. M. Sinclair & Co.,  
Cedar Rapids, Iowa.**

## CHICAGO MARKETS.

### LARDS.

Prime Steam .....	3.80
Neutral .....	4%
Compound .....	4

### STEARINES.

Oleo-stearines .....	4%
----------------------	----

### OILS.

Lard oil, Extra .....	31
" " No. 1 .....	26
" " No. 1 .....	25
" " No. 2 .....	24
Oleo oil, "Extra" .....	5%
Neatsfoot Oil, Pure .....	80
" Extra .....	38
" No. 1 .....	30

### TALLOW.

Tallow Oil .....	32
Packers' Prime .....	3 1/2 a 3 1/2
No. 2 .....	2 1/2 a 3
Edible Tallow .....	3 1/2 a 3 1/2
Demand for tallow good.	

### GREASES.

Brown .....	2 1/2 a 2 1/2
Yellow .....	2 1/2 a 2
White .....	2 1/2 a 3
Bone .....	2 1/2 a 2 1/2

### BUTCHERS' FAT.

Rough shop fat .....	1/2
Inferior or black fat .....	1/2
Suet .....	1 1/2
Shop Bones, per 100 lbs. ....	15

### COTTONSEED OIL.

P. S. Y., in tanks .....	20
Crude, .....	18
Butter oil, barrels .....	28 1/2

### FERTILIZER MARKET.

Dried blood, 16 to 17 units. ....	1.32 1/2	Chgo. f. o. b
Hoof meal, per unit .....	1.27 1/2	"
Concent. tankage, 14 to 15 p. c. p. unit. ....	1.22 1/2	"
Unground tankage, 10 to 11 p. c. p. ton. ....	13.00	"
Unground tankage, 9 & 20 p. c. p. ton. ....	11.50	"
Unground tankage, 8 & 20 p. c. p. ton. ....	10.00	"
Unground tankage, 7 & 30 p. c. p. ton. ....	9.50	"
Unground tankage, 6 & 35 p. c. p. ton. ....	10.00	"
Bone meal, per ton .....	18.50	"
Bones, rough, "packers" .....	17.00	"
Steamed bone meal per ton .....	16.00	"
Ground tankage, \$1 per ton extra.		
300 tons Blood sold at 1.30 Chgo.	400 tons 8 & 20	
Tankage & \$10.50 ground.		

### HORNS, HOOFS AND BONES.

Horns No. 1 .....	\$170 per ton 65-70 lbs. average
Horns .....	\$20.00 per ton
Round Shin Bones .....	\$47.00 "
Flat Shin Bones .....	\$37.50 "
Thigh Bones .....	\$90 per ton, 90-100 lbs. average

### BUTCHERS' SUNDRIES.

Pork loins .....	5 1/2 a 6
Tenderloins .....	11 a 11 1/2
Spare ribs .....	8 1/2 a 3 1/2
Trimnings .....	3 1/2
Boston butts .....	3 1/2 a 3 1/2
California Butts .....	3 1/2
Hocks .....	2 1/2 a 3
Skinned Shoulders .....	4

### CHICAGO LIVE STOCK.

	Cattle.	Calves.	Hogs.	Sheep
Receipts .....	61,000	2,671	153,747	82,369
Ship's .....	20,643	388	37,900	19,507
	Cattle.	Calves.	Hogs.	Sheep.
Receipts .....	63,186	2,555	119,335	85,904
Ship's .....	20,505	192	36,310	16,429
	Cattle.	Calves.	Hogs.	Sheep.
Receipts .....	61,958	3,629	96,776	62,234
Ship's .....	18,057	215	38,103	6,217
Average of Hogs, week ending, Sept. 19, 1896 .....	268 lbs.			
" " " " Sept. 21, 1896 .....	216 "			
" " " " Sept. 22, 1894 .....	232 "			

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Satisfaction Guaranteed.  
Best of Reference Given on Application.

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HOGS AND  
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Tremont Stock Yards Co., Tremont, Neb.  
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Columbia, Sept. 24, 7 a.m. | Normannia, Oct. 29, 10 a.m.  
Normannia, Oct. 1, 10 a.m. | Aug. Victoria, Nov. 3, 7 a.m.  
Aug. Victoria, Oct. 8, 7 a.m. | First Blam'k, Nov. 12, 10 a.m.  
First Blam'k, Oct. 15, 10 a.m. | Normannia, Nov. 25, 10 a.m.

**REGULAR SERVICE** between NEW YORK and HAMBURG direct. By new Twin Screw mail steamers and other steamers.

Patria, Sept. 19, 3.30 p.m. | Palatia, Oct. 24, 8 a.m.  
Prussia, Sept. 26, 10 a.m. | Patia, Oct. 31, 12 noon.  
Phoenicia, Oct. 3, 2 p.m. | Prussia, Nov. 7, 9 a.m.  
Persia, Oct. 10, 2.30 a.m. | Phoenicia, Nov. 14, 1.30 p.m.  
Armenia, Oct. 17, 2.30 p.m.

**BALTIC LINE** Direct Service between NEW YORK and STETTIN.

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Venetia, Oct. 17, 2 p.m. | Georgia, Dec. 26, 2 p.m.  
Georgia, Nov. 7, 2 p.m. | Virginia, Jan. 9, '97, 2 p.m.

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PRODUCE EXCHANGE VAULTS,  
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When to Commence Cutting.—Size of Gang.—The Cutting Gang.—The Chopper.—Instruments in Use.—Side Meat Trimmers.—Ribbers.—Backbone Sawers.—Shoulder Trimmers.—Blade Pullers.—Where to Chop the Backbone Out.—Other Men and Boys Necessary.—Cost of Cutting.—Domestic Cuts.—Export Cuts.—Loins.—Wrapping.—Cold Storage.—Treatment During Summer Season.—No Lean Meat to Tanks.—Spareribs.—Backbones, Neckbones, Hocks; What to do With Them.—Short-rib Middle (illustrated); How to Cut.—English Short-rib Middle (illustrated and explained).—Long Clear Middles (illustrated and explained).—Extra Long Clear Middles (illustrated and explained).—Long-rib Middles (illustrated and explained).—Cumberland Middles (illustrated and explained).—Yorkshire Middles (illustrated and explained).—Staffordshire Middles (illustrated and explained).—Dublin Middles.—Stretford Middles.—Birmingham Middles (illustrated and explained).—Short, Clear Sides (illustrated and explained).—Extra Short, Clear Sides (illustrated and explained).—Wiltshire Sides (illustrated and explained).—South Staffordshire Sides (illustrated and explained).—Clear Belly (illustrated and explained).—Rib Belly (illustrated and explained).—Weish Sides.—Irish-cut Sides.—South Staffordshire Sides.—Clear Bellies.—English Rib Bellies.—Pickled, Clear Bellies.—Short Clear Backs, English (illustrated).—Short Fat Backs (illustrated).—Pickled Clear Backs.—Short-cut Hams (illustrated).—Long-cut Hams (illustrated).—Stafford Hams (illustrated).—Stafford Hams.—Manchester Hams.—Skinned Hams.—California Hams (illustrated).—Rolled Hams, Bone-

less (illustrated).—Boston Shoulders (illustrated).—Square Shoulders.—New York Shoulders (illustrated).—Regular Shoulders (illustrated).—Skinned Shoulders.—Rolled Shoulders, Boneless (illustrated).—Mess Pork (illustrated).—Prime Mess Pork (illustrated).—Extra Prime Pork.—Clear Pork (illustrated).—Extra Clear Pork.—Clear Back Pork.—Shoulder Butts, Lean.—Pork Loins.—Cumberland.—Short Ribs.

## Fresh Meats.

Tenderloins.—Trimming.—Spareribs.—The Advantages of Spreading.—What Receptacles to Use to Give Meat a Good Appearance.—What Pieces Must not Be Given for Counter Trade.—The Handling of Spareribs, also Fresh and Smoked.—Meat Market Sales.

## Hog Tests and Relative Values.

The Value of Tests.—What Percentage to Figure on Live Weight.—What to Figure for Cost of Manufacture.—Shrinkage.—When Determining Cured Yield.—Conclusion About Cutting of Hogs.

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Weights of Cuts, Meats, and LARD YIELDED by Live Hogs of 110 to 450 lb. (This table alone is worth the price of the book to every packer.)

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How to Pack and Ship: Domestic Meats.—Sweet Pickled Meats.—Green Meats.—Pumping Hams pro and contra.—Lard.—Fresh Meats, Sausages.—Fertilizer.

## Tables of No. 1 BOX AVERAGES

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## Gut and Casings Department.

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## CASINGS.—Soaking, Cleaning, Salt-

ing.—Quantity of Salt Allowed.—Yield per Hog.—Calculating Profits for Casings Department, 4 Months' Killing, 2 Examples.—Advantages to the Packer.

## Fertilizer Department.

Dried Blood.—Concentrated Tankage or "Stick."—Percentage of Phosphate, Moisture and Ammonia.—Sample Analysis of Dried Blood, Concentrated Tankage.—No. 1 Ground Tankage.—Raw Bone Meal.—Ground Steam Bone.—Value of Dried Blood as a Fertilizer per Unit and per Ton.—Concentrated Tankage No. 2.—Ground Tankage.—How Manufactured, and What it Contains.—Raw Bone Meal.—Ground Steam Bone.

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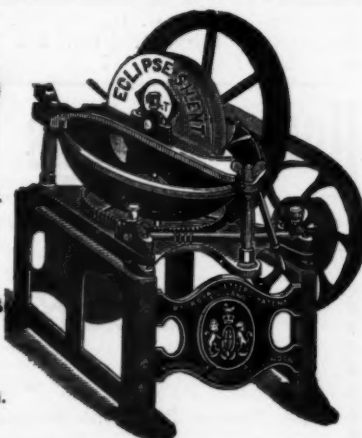
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The following Mortgages on Butchers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, Sept. 19th, 1896. They are a reprint of our Advance Sheet, sent out to houses on Sept. 19th, who subscribe to same.

NEW YORK CITY.

Avezac, Louise, 297 7th Ave.; to J. J. Jackson..... \$95  
Bergmann, Eugenia, 425 6th Ave.; to C. H. Reed..... 1,200  
Gerth, August, 45 1st Ave.; to O. Goller..... 500  
Lang, Henry, 373 1st Ave.; to A. Hecht..... 250  
Lichte, F. W. & A., 372 Willis Ave.; to A. Poetsch..... 500  
Rubin, Morris, 228 Cherry St.; to Schindler & S..... 70

Bills of Sale.

Fallon, F. P., 106 Greenwich Ave.; to Eliz. Faden..... 200  
Larabee, M. W., 225 W. 4th St.; to Ella A. Larabee (Ice Wagons, &c.)..... —

KINGS COUNTY.

Schomaker, H., Throop Ave. and Madison St.; to J. Cohn..... 200

Bills of Sale.

Michaelis, B., 432 Flushing Ave.; to Mathilda Michaelis..... 250  
Schmidt, August P., 280 Sumner Ave.; to Lizette C. Schmidt.... 210

HUDSON COUNTY.

Brandt, Henry and Amenders, Hoboken; to Anna Brandt..... 600  
Sissen, V. J. (grocery and butcher business), Bayonne; to A. Sturma..... 400  
Sissen, V. J. (grocery and butcher business), Bayonne; to P. Bucina. 200  
Tamke, Herman; to H. Tamke.... 250

Bills of Sale.

Meyer, Otto, Guttenberg; to J. M. Kurtz..... 185

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WANTED by thoroughly experienced man with best of references for the past ten years, position in packing house. Thoroughly posted in clerical work in any department. Address W. T. BEWLAY, care THE NATIONAL PROVISIONER, Manhattan Building Chicago.

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POSITION WANTED AS GENERAL superintendent. Twenty years' experience in handling 2,000 hogs per day. Know provision trade thoroughly in all its branches. Best references. For further particulars address WM. LEIB, 626 East Market street, Louisville, Ky.

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WANTED—A position as beef or sheep salesman; have had three years' experience selling beef and sheep in New York. J. S., care of "The National Provisioner," New York.

YOU ARE INTERESTED IN COTTON OIL! DO YOU UNDERSTAND ABOUT MODERN HEATERS, THEIR CONSTRUCTION AND MODE OF OPERATION? THE IDEA IS TO KEEP POSTED AND "UP TO DATE." SEE ORDER BLANK ON PAGE 19.

## HELP WANTED.

### CHEMIST WANTED.

CHEMIST WANTED.—We want for our Laboratory an experienced assistant chemist, such as are familiar with packing house work, analysis of fertilizers, oils, fats, greases and tanners' work will have the preference. THE NATIONAL PROVISIONER ANALYTICAL LABORATORY, 284 Pearl street, New York.

WANTED.—An energetic business man who can furnish good references as to character and wishing to actively engage in the wholesaling of beef, pork and small stock, can hear of a chance seldom offered to become a partner in a well established and paying business that will bear investigation; in a good business city; one acquainted with the business preferred; the reason for wanting a partner is his assistance to increase the business; none but those meaning business need apply. Address, "PARTNER," care THE NATIONAL PROVISIONER, New York City, N. Y.

A casing traveling man to handle a side line on commission. Address "SIDE LINE," care THE NATIONAL PROVISIONER, New York.

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